

<110> Byrum, Joseph R.  
Heck, Gregory R.  
La Rosa, Thomas J.

<120> Nucleic Acid Molecules And Other Molecules Associated With  
Plants

<130> 38-21(15761)B

<160> 48629

<210> 1  
<211> 137  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700764507H1

<400> 1

ntgngcacgc gtacgtnagc tcggaattcg gctcgagnta aaaattagnt aatttatntc 60

gatngtatta gacngagacc ngncaaant gaangtgagn ananannnaa acngntanng 120

cngcncntcg nnannnc 137

<210> 2  
<211> 137  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700764512H1

<400> 2

acagtnggcg tangcgtncn cnagnctnng attcggctcg anccnagagc gggncctgg 60

ancataccnt aancngctcn aaatnntagn nacancagca ntnnnaacnc atanngcnnn 120

cgcnacnana acagacc 137

<210> 3  
<211> 136  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700764545H1

<400> 3

caatctcaca cacncnnacg tnagctacnn aattcnnctc aaannagnga cacaacantn 60  
 ggcancantn accnacacnt ngcnmntgct nccgagaant gcgnagctan agatgtacaa 120  
 catngcaana nnacgc 136

<210> 4  
 <211> 143  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700764575H1

<400> 4

cngtctanac gacagacgna nntnagencn tgaatgtctg anntacaggn agaanagaag 60  
 cgatgcgtan ccncnggnat taagacggnt gancgntcta annagnngt ggtcagnagt 120  
 gcctagggna aatangctnc tnc 143

<210> 5  
 <211> 313  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700902948H1

<400> 5

ngtntattaa tctcaagaan tnnattcgnn ntgtgnnnaa cacaactatg annnaantnn 60  
 annnacannn nnnnnnnccg tnanaanttt nacgnttnat nntgtatcnn atngcanatt 120  
 accnnttttn ncgtanntnn nnnntcncnn atnatcttnc tatnagggtc ttgagagtgg 180  
 ncanttttnn gtcancntga ntnggttgac ttcacaaanc anggnnaang acgnnncnang 240  
 nnetgataca tnatannnnn nnggtatgnc ngtgantatn cnnntnggnc ngttnnnctg 300  
 naattggngt gtc 313

<210> 6  
 <211> 292  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903055H1

<400> 6

ttnnngcgtn ncangcacnc ttacntantc tcgnaattc ggatcgagaa nctcctacgc 60  
atcncaaaag nctnaccggg tgnacacnntt catncgntcc aangctttcg cgagnagana 120  
ncgcgcngct nnctcnngcc ancatgatnc gctcgnagan tcaancggng cnannagtna 180  
gcgttntggn ngtnnagnn cgtgtcntag ncagcacact ggcnngnngc gncgtgnann 240  
nccggtccnn canagnganc cntttcaacn nngnantngt atcnnccaag nt 292

<210> 7

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903063H1

<400> 7

ncgnnnngana aanatnanaa tgnnnagaga gaagaacgna taanggcgag agaganagtg 60  
tccgctgcnc acgaatcgtg nacagtattc tnaaggnaa gacncangca gaacatagtt 120  
gngngacagg nncntnaaga atggagnatn agtngnngtn ngannnnncag aagnntagca 180  
ncaaagcnga agagtnancn nantnagggc aaggangann ntgntaanag agcgtntnngn 240  
atngtagtag anancncgtn ggagcngtcn ggnatannag tntagnaagn ngngtnana 300  
nnngaagnga ncnaggnag gangggngaa agnnagncc 339

<210> 8

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903075H1

<400> 8

aacgcgnanc ganagangag gnagcgncca nanagnntag cgnatgnann annnnagggc 60  
gcatgcngag ntacannnga cacggtagca gggtngtgaa acangngnga nactgccagc 120  
tangctntgn angcngagn cgntncgcan cannncgatc ntganaagag ngncngggnn 180

tgcggnggca cncggncnna gtctnnagtn cgagagannc ccggnnnngna gatnccgggg 240  
 agnatcgaga ncnagagnnn natnaancag gagagaaggc atnnccagcn ccagcngagc 300  
 tangcngnnc gnnccaggng nagagnagan ngtggggggc gc 342

<210> 9  
 <211> 332  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903081H1  
 <400> 9

nnatcgana caccggtacg tangctcgga antcngntcg nggtgagaag nnataagccn 60  
 tgnanngaag naccgagng atngntncat agccgntgtg nnnncncnnn cgtnttnaan 120  
 ntcnngntct ntncacnnn tntcnnaaac acaaannnct ncttnggncc ncannacatn 180  
 antatnggc antgttnnnn ggnntncang anatnaanga nnnanncagn nngagacnnn 240  
 cgaatgaacn ggtntaggna nagggtggat gcgancnang atgnnanggt tngnnnccga 300  
 nnanananan cannagcnca gnggatngaa at 332

<210> 10  
 <211> 456  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903090H1  
 <400> 10

ancncanngc agnaaccntc cancantcat nnatncngaa nngtgcncag cctaagtnat 60  
 gagtgcccc cagcagnaca aacncggact acatagagan aganacctaa cagnnagagn 120  
 acgcgcatna atnacagnan nnnngtacac ngantacagc ggcgacaaag ttagcaaanc 180  
 gatananngn gnagnatan atccacangt acagancnat gntagcgtn tcnntnanag 240  
 nagananncg agaanacaac aggagtgatn nactnnnaga gttnccgnnna nncatagng 300  
 tcnnnnagag nacngcanag ntngannntn gttnnaactn ngcannnggn nnacggnnnn 360  
 nantngnnag ggcccnanct gtcantgna gaannnnnnc ganacagcna cnnnggnaag 420



gannngnnnn aagnncgaca tccannnngg aggatc

456

<210> 11  
<211> 311  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903129H1  
  
<400> 11

aatnatatnn angcntangt aagctcngaa ttcngctcga gtgaaatatt accagttttg 60  
tgcaaaaaaa aaaaaaaaaa ngnnngnccnc aaattattaa nctcttaaac cngnaantna 120  
nttcnnaacg nnnacttnaa ggntnaaaat ttttccntan attaattntt atnaaanttt 180  
ggagnaataa tggnaanann tttttcntnt ntaaaatfff natccgttaa aanttcaaaa 240  
aaaaaaaaat nnntaaaaaa aaaaanann nnnnannna nnnnnnnna nnnnnnnnn 300  
nnnnnnnnnn t 311

<210> 12  
<211> 288  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903133H1  
  
<400> 12

aancnaaac ananaacaca aaacnaaaca cagancaann cagaanncng aacgcnaaan 60  
tattanaaat ccncacaaca nncaaantnat ccacacttaa acaaaaccan aacananaan 120  
ancnancana annnnannac anaaanngan nctcnnaana annnnaacac aagcaaaanc 180  
ngacnaaana acaaaaaaan cnacaananc ccaacacaan naaaangana nnaacatann 240  
aaaaacncat gnaagcnach acannnaca cangnnncna aaacaann 288

<210> 13  
<211> 407  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903136H1

<400> 13

agcaaccagn aagtaagna cnancaagtgtacngaaca cangagannc agccacangn 60  
acgcaannnc cancanacgn tncacggann gcgngngcag ancaagatan aannnggtng 120  
gntngaaggn caanancaga agaggaaana ggcacancac gacgaacaaa nangncacan 180  
agaggaacan ngncgagaac gcagaagcac acnnagcaca agaaacanac naccaagnac 240  
gagnanancn agcagagaag cagnacanac caccgancnn angangagan acnangaaga 300  
gccaacnagn cagncanagc gagaacgacg canagancag agcanacgaa gcacngagnn 360  
ggancanaga nggnacgaca tcanaangac agagnanaca anananc 407

<210> 14

<211> 374

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903137H1

<400> 14

nnnnnnnnnn aanccaanaa aaannaaacc anaaaaaann cctaccancc annnnnnnnn 60  
nnncnncann aaacnccann nnacacncnn cnnnnnanaan acnnncncc annntcacna 120  
cacnnnnncn anancacacn acntcnnnnn nnanccnncn ccanancncc ncncnccaac 180  
aaacnaaaca ancacacnac acnacnaca cncacacna cnnnnancnc annnnnnncan 240  
ncncnnnacn ancacacncc cccacnnnna nncacncca nccacnccac acnannnncc 300  
acaaccacaa ccanaaccca acacncaccn acannnaca cccnancana acnnaacaan 360  
cacannacca cnnnc 374

<210> 15

<211> 315

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903138H1

<400> 15

aagttanaga ngngaaagaa aantanaana atnaagatag annaagaaan anagntnnna 60



ancacantna nagancangg c

321

<210> 18  
<211> 273  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903143H1  
  
<400> 18

annccaaann ananncnaaa canccaaaca aanaanacca ccaanccnga ncnanaacna 60  
caancagaac acncnnacca agcacacaaa aaacaancna nccacagncg acnaancanc 120  
ngcaccnccn aaacaaccaa aacacnngaa nacnacacac gannnccaag anaangaaac 180  
ccaccacacn acaacacaan accacancaḡ nngngcaaan cnanaacacn aaganangnn 240  
aacganaaca ngcancaana ncannnnnac acn 273

<210> 19  
<211> 387  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903144H1  
  
<400> 19

ttttctctc nanannnagc nccccatcag acactatcna nnagcnanaa ctacanctnc 60  
nacngacaan acatctccta catcancaac cncnctannt ncngcacagc aagnnnaaca 120  
naannnnenc cncagtatnn gngnnantta nacancntc ngancnagac nagcnatnna 180  
nncactnaca gcacanaccc aanncacana nagnntggn annnacnaca ncnaactcnnn 240  
gngcancagc nncnnncaca annngnnngn acaancccaa cncnacnnn anngcncacc 300  
ncgtnncnaa natnaaacgt ccgctnnagn annnananac ancanactcc tnnnaacnan 360  
cnancattnn nacnancaaa agaacct 387

<210> 20  
<211> 285  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700903146H1

<400> 20

anctanannc cccanactnn cnaannacag acaccagaat acacancaca tatacacnca 60  
tacanaaaca acacacacaa acacacçann ancatccana anantaacac anaancaacc 120  
acananaaaa aanccacaca nacanntnca naccnacnan nanaataann aaaacnanan 180  
nacacacnna anancnncaa cnaataacnn gnntnaacca cnagaancac cananaanag 240  
acaatcacnc anacaaanna cnnnnnnanan ncacncgnca caaan 285

<210> 21  
<211> 434  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700903147H1

<400> 21

aaaaaaaaag nccnncaaaa cttaaacgna nnnncncccc nnannnaaaa cngaaccang 60  
ganngnacn nnnccnggaa naacnaacnt cacngnngnn cacanattcc acgacgggcn 120  
taacccccac cgacagcggg ctcacgancg ncagacgcag cacanncaca cnnannacna 180  
gtnnacann acacctcna cacncactca agcacagngc naaganaant agatnnagct 240  
acaaacacnc anactcaatg ctannnttca agacgacca agagcaagtn aaccgantnn 300  
cncnannaan ntngcgcnc cnacanacng gnnnnnaaga gcctnagtcn agccnacaca 360  
ncnagaccaa acnanacgcg nnnccnatac cnanacnacn naangannca gacgacanga 420  
cangncnaca cngc 434

<210> 22  
<211> 482  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700903148H1

<400> 22

ngnanātaga nnancncctt caacntcccc ctgnccagct gnaangccnn nntgaganac 60  
 nnnanctnaa ggngtgngtg aangaaatnt acangngnan ncgtaacagc ctccacaacn 120  
 ccnncganac ananncacag ncganctcnn cnatnncagg tnnannnccn gacngtacac 180  
 gngctcangt ccacantnta nantgtgaga cnagccangc caangaagcg cgatncann 240  
 cagnnnanaa naggancann nagtgnanac agagnacgn cngcagntcg cgacngnant 300  
 catntcncat gtntgtcnga tanangctcn ananggcnaa cggcangcnn aggnnnanncn 360  
 nnaacnatgg ntagnncnnc gaacaacnaa gtgacanttn agtagantgc nngnnngn 420  
 cggcatgtga gacntgangn cnanannacn ntngnggang ngaatcngag nnanagngna 480  
 ct 482

<210> 23  
 <211> 360  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903151H1  
 <400> 23

naccggaatc annncncc canncnggg ccancaanaa acngcnggaa accaccatcc 60  
 ncgcagaaac ancannccnn aggactacac gacaccnacc gcacaccnga nccncacanc 120  
 anaacgncac angcccncgc acncagccgn cnannncgn gnngacagca ttcaacccaa 180  
 ngacaangca ggnccangnc aacncaacga cagggacaac aacaannacn agnngacncc 240  
 accgagacnc nnannngngc cncnnnanag annacnncan aagacncaga ngananccaa 300  
 cnancaggaa ncacnggagc ncaaagccan cngcanannn aaancanann aagnngaaac 360

<210> 24  
 <211> 335  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903152H1  
 <400> 24

anagtatann gannacgtan gnanancngc naattcanat cgcagnnagn ncantctnta 60

tgggatangg nnanagagtn anagcaccaa tnggnaatag gatanaannn ctagnngnag 120  
 nncggnatct agncagaggc nnacaannnn tannnacgat acttnaatgn aacnncaanc 180  
 agncagtagn aggaaanaaaa nntntggcnc ganganaana gaaagtanna gnnccaangt 240  
 atgggganna nnncaancc ngannaagca aganaacnaa ccntncaaga ntatngacag 300  
 nagannaang nnatgtngang tnatcgntac cagnc 335

<210> 25  
 <211> 410  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903153H1

<400> 25

aaaaaacnat cagccgnga gggancannn cagacagana ganaccacga acatanacac 60  
 acangcagan anagntcacg ncnnncanac caccnngnn ncngacgnat gcnganaaca 120  
 nnnntgtgnc gannacanag acnnccgngn gcnantancn cacncaacnn agccaacaan 180  
 canccntca cgacaanca tcnngcncac nnnnaccgaa gcncagcngn gaannngan 240  
 nagancantn nagcaacann agannngng aangcantca ncacngnaca anacanaagn 300  
 ncnggacnga gannnatana cnacnacgna gannnngt cnaaanccgn cgtgntgaca 360  
 aananaant gnnngnagna naanggnca gacagagnan gnaannccgn 410

<210> 26  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903154H1

<400> 26

caaaaaaant ncntttgann ncncncntna acngccnct naccngctnn aactcatnca 60  
 gcgncagtn cncgactacg ccggcgaagc acacagcaan gaagngnnng ccnnncaca 120  
 gagcaaggaa anncananac gnnccanccna ngcnanngta cncnaancan caacntacca 180  
 ancaagagtg ncntncnnna nangngnacn caananccan ntnagnangn cgnacagcca 240

<210> 27  
 <211> 474  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700903155H1  
  
 <400> 27

aaacnanatn nnnatcatna acnacagcac acgaaaagan actcaaganc agtttncnag 60  
 canancancn acngtacaca ctgncnnaca cacacacccc ncgcnagagag cagtgcacnga 120  
 cacnancnna nnacacgtng aacnacncag ccaatcnann cgananncac atgcnncaag 180  
 tngtnntcnc acanancnac tacnacnaa nnnngctacg aaacnccntn aagataganc 240  
 nnacgatcac nnanancana nnacacgacn gacgcnnanc aagnnananc catnannnaa 300  
 cacannaanc annacgacan acnagcnaca anatnacana aacannacna ancangcacc 360  
 atcnagncac gnaaanacgc aagacnataa ancaagcnat gngcaatnnn gacagccnag 420  
 cagnnnagcn gacagncgca nnnanccgan ntgacaganc agncagcana nntc 474

<210> 28  
 <211> 472  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700903156H1  
  
 <400> 28

nntgggagnn tgagnagnn tgnatagcan nnnnaggag agagatgcgc cacctctaga 60  
 tatgtgnana nnacactctc ntaggttnac agangnagag ngacanacat gttatgtgga 120  
 naggagantg tgnntcntgg tgtagtcnt ggangtgga aggagtacga nntgnagact 180  
 gngcaagngg agnagnggag ngnttanggt gnnngntnggn agnagngnga gntgntcagc 240  
 ngtnantnnn gcngngcnag taaggancng gantgnggan aatagnnnna tgtanntana 300  
 aacnnaaana gataagaant ngtgagaggt caatcaannn gnnngngngn ganatgaggn 360  
 ngattnngan gggaannnag tttgnantg gaggaancng tagngtaggc agnaganng 420



nangnnagtg ttgtaaggct nanntatan nggtnagnag agnagagcna nn

472

<210> 29  
<211> 124  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903188H1  
  
<400> 29

gacgnagcan gcncgcgtac gtaagcncgg aantcggctc gagctcgagc cgattcggct 60  
cgaggnnagc tccccntnca nccangtnga cttcngcana anntnggann agcgaganan 120  
gcnc 124

<210> 30  
<211> 337  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903219H1  
  
<400> 30

acncanctac ncctacntaa nctcgcaatt cnnctcnnnc nctanctann ntaccgncac 60  
accacacnac nnncnnttac agcnanncgc ncntannnnn annttgact nncnacggnc 120  
ccntacgncn cagccncatn cgagncaatc cnggnccnac nccntaanca ctngtatcnc 180  
ancaatccnn cnncnntnqn taangccaat nancagncta cngcnantgc atcnnnnccn 240  
cgcngccata ngtnnngcan nnatngnccc cannnnaannc acannncaen nnggccact 300  
ccncttagag aatatnnant ncccnaacgn nnannan 337

<210> 31  
<211> 311  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903223H1  
  
<400> 31

nttttgatan gcnnatgtna tctcggaatt ctgnnnnatn attattatgt antattgtgt 60



tancgcncna tgtagaagnc acngggcctg gttngaaggg gatcacnccc antngaagcn 180  
acngagtntct anncagngtn angtctgggag ancgcgangt cgactnagcn tacntcngga 240  
tcntgnaggg ctgggggtgc ccgacnccct tgtgcccnat natggcgctn ccggtgccan 300

<210> 34  
<211> 310  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<223> Clone ID: 700903251H1  
<400> 34

antttgntaa cncgtanata atctcntaat tcnnctcgag ntccaatanc tgtccangtc 60  
nnnctgttna ncnttccnng cnggcccttn tagatggaga tnngncggtc aaganngtn 120  
canngtgcna gancatgatc cttgaggnnn aaanngcnga gangnagnna caacgtcaat 180  
gnaagannc agganaagga aggantcncc ccggancagn ancgtcnnag tnggcnnccg 240  
aaagcaacng gaggatggtc cntanccttg gtnggtacaa gatgtcagna ggagtgtatt 300  
nggcntnttn 310

<210> 35  
<211> 146  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<223> Clone ID: 700903254H1  
<400> 35

nnattnnnnc atgctctacn aaagcncgga attcnncnng ancgngtnag gnnntggngt 60  
cntgtncgtg gngatgnna gtngnctggc ttntgagnnn ggcnnggttta tgangnttgn 120  
cncncgtcnn ggtcnagatg tctntn 146

<210> 36  
<211> 456  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations

<223> Clone ID: 700903255H1

<400> 36

aaaagtnttn tgcagngagt gcggtgaacg ntgagaggct gcgtgtaaat gtccgagccn 60  
tngnaggтта ananggatgn tatnttggtt gaggcngtgg ggtnanagnt atnaagtgtн 120  
cngtgggaga ggtncntgnt cgcgttgtgt gtntgtnggt tgtgtgnttt gctgtgtgcg 180  
ttanttnecg tctnntttgn gngnngtgn ttgtнанgtg ancangactt gttgggtgtgn 240  
ngtgnggtgg tatgtgtgtg gtgtgtgtag tgtgtgttgt gnagtgggtgg gtgngtgtgt 300  
nggtggntgt gtggtgtgtt gngtgggtgg ngtgtgtggг tngtgtgtng agtgtggggt 360  
tnanaatttt ggtttgtgtg tgtgtgggtgt ggggtgtgtt ttggttgtgt tgtgtgtgtg 420  
gtgnggtggt gtangntngg tgtttggtgt gttgtt 456

<210> 37

<211> 305

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903270H1

<400> 37

acttcgcgcn cgnntnecgn agctcggaat ncngctcgag ctatngctcn ntngnctcgc 60  
tagcttatgc acngagggan gttgatnccn tntcn gatg nntntcgtnc ggtatcgnc 120  
gctggnctc gtntcnegt attgggccgt aggcgnctgt tnanngcng cnagtnncgg 180  
ggngtcgcan cccgcngng ttggggngnc ngncgttnac ccccgntcg tgnngagtgt 240  
ggttngnnng tcccgcggtg nttgagcgt nccngctncn ncgnntnnt gtgtngcncc 300  
nnntt 305

<210> 38

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903275H1

<400> 38

acgtcgcang cacgcgtacg taagctcgga attcngctcg agnccctcatt tcttcttttc 60  
 cccacacaac atangancnc ngnnnnngnnc nngnaatgcn gngggctaaa attncagcnt 120  
 ccaanattga aaaaaaangn caaacaagtt ctctncnngn ncnngctctc ntggccncng 180  
 gattggccct cncagttctca gagtctgagt ctgntncnncn gctgcctcac gccgcngant 240  
 ccttcaatgt tagctatatc cagatgaaga acgctgggac ttgctctac tn 292

<210> 39  
 <211> 330  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903279H1

<400> 39

ttntgcgttn gtctgtacgn tcacttttgn gtttcggntt cgtaggnggg ttgtcgtgnn 60  
 cgngtgtgnt gngggntnnt gtgtttggtg gtggngggtg ngtttgtntn tntgtggttt 120  
 gnngtggntg ttttgtngga aggtgtagng ttggttgggg gtnnntgggt nggtgtggng 180  
 gtttncctgg gtgngtnttg tgnngttggg tttngtgnc ntnggagtag tgttttgtgg 240  
 gnggtgtgtt gnttgggtgn gtggtgtgtc gtnnccgttg ngtntgtgcg tgnntgngn 300  
 nttngnttg ntggtttngt nnccttttgt 330

<210> 40  
 <211> 217  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903669H1

<400> 40

agtcgatgca gcgtacgtna gctcggaatt ccgagcttgg atcctctaga gcggccgccc 60  
 actagtgagc tcgtcgaanc cggaattaa ttccggaccg gtacctgcag gcgtaccage 120  
 tttccctata gtgagtcgta ttagagcttg gcgtaatcat ggcatagct gtttctctgtg 180  
 tgaaattgtt atnccgctca caattccaca caacata 217

<210> 41

<211> 280  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700904079H1  
  
 <400> 41  
  
 gatngnatng tnnnnagtcn ganttcggct cgagggtagc agaannngta taatnactnn 60  
 nnneganntc ganggataan gctnnacagtn tgngngntgt ccanttggaa annctgtana 120  
 ancgtnaaga ntgcannnct nncannnggn nntagagggg gtcgcacngt nggggcancg 180  
 actcaangga tggngggatn gtangaggag tnannagcan gncgcaaaga ataangtnct 240  
 atagatncgg ggaattnaga antaaggagg tcatagggtt 280

<210> 42  
 <211> 89  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700904258H1  
  
 <400> 42  
  
 cgtcgcacgc acgcgtacgt aagctcggga attcggctcg agnttttatt agaaataaaa 60  
 aatgacgttc gggtacttgg gttctcaag 89

<210> 43  
 <211> 233  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700904512H1  
  
 <400> 43  
  
 gtcgcangca cgcgtacgtn agctcggaat tccgagcttg cgatcctcta gagcggccgc 60  
 cgactagtga gctcgtcgaa cccgggaatt aattccggac cggtagcttg caggcgtacc 120  
 agctttccct atagtgagtc gtattagagc ttggcgtaat catggtcata gctgtttcct 180  
 gtgtgaaatt gttatccgct cacaattcca cacaacatan ananntaaaa aaa 233

<210> 44  
 <211> 295  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700904603H1

<400> 44

nccaagtacg taaactcgga attccgagct tnaatcctct agagcggncg cngactantg 60  
 agctcgtcga accgggaatt aattncggac cggtagctgc angcgtacca gctttcccta 120  
 tagtgantcg tattagagct tggcgtaatc atggtagatg ctgtttcctg tgnaaattg 180  
 ttatccgctc acaattccac acaacatacn aantaaaaaa nannnnnann naannnnnnn 240  
 nnnnnnnnnn nnnnnnnann naannnnnna nnnnnnnnnn naannnnnnn nnnnt 295

<210> 45  
 <211> 349  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700904608H1

<400> 45

cggntaangn ancnggacgt angctcggan ttcggctcgc atggcctagg cgcnttngtg 60  
 ncgtgggnnc ntnggttngc cnagtggcgg gcntgttgcg tnntgngggtt gggatgggnt 120  
 gncgcnanct ccnggtgggc nggtggggac ncgnncttnc gtgtggtgtg nngtgggtgt 180  
 tccagntngc ngtggntgcy tggcncggtt gcggnnnnncn agnngcannt nnggcgcgcn 240  
 ntctngntgt agnngnttn ccnttgcncn ncnngggncn ntngngnnnn nggtcggaan 300  
 gggngtgcac gntttgcggn gtccgtggag gntgttggt ctnccggnn 349

<210> 46  
 <211> 144  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700904644H1

<400> 46

cnmnttaaac gtacncntag ncaaactngg aattcaactc gagagaaata aacntntgnn 60  
 agngngaagt gagnganaaa acntaggnag ngnaaannaa tggaggnata gtgaaacatg 120  
 gagntgaaag gngngcggaa atnt 144

<210> 47  
 <211> 308  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700904745H1  
 <400> 47

ntncgntcnc gngcncgagg ncctcncntn ttangctcgc agtgtnngan cgcncnngag 60  
 nancnttnac nccacccac gncccnaggn acnntctnct cnnctgtnta gtnnnngggtg 120  
 tnnngttgct tatgtgntgc ggagtgtgan atgtggtcnt ggtggngctn gnntnnggnc 180  
 annttgtnct cangnnggcn cnnctgggtt ggtctnnngt tttngnngnn ntgtnccttan 240  
 nggncatggt ggggtgnnnt gtaggtttnn ttngggtnng gntntngncc gctccncna 300  
 ctgnnngn 308

<210> 48  
 <211> 212  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700905010H1  
 <400> 48

gtcgcnnngcn tagtacgtaa gtcggaatt ccgagcttgg gatcctctag agcggccgcc 60  
 gactagttag ctcgtcgaac ccgggaatta attccggacc ggtacctgca ggcgtaccag 120  
 ctttcctat agtgagtcgt attagagctt ggcgtaatca tggcatagc tgtttcctgt 180  
 gtgaaattgt tatccgctca caattccaca ca 212

<210> 49  
 <211> 254  
 <212> DNA  
 <213> Glycine max



<223> unsure at all n locations  
<223> Clone ID: 700905487H1

<400> 49

gtcgcangca cgcgtacgta agctcggaat tcggctcgag ngctaattcc tcaaggatgt 60  
tttatctagc ttttaaaaaa aaaaaaaaag ggcgcccgcc gactantgag ctcgncgacc 120  
cggaattaa ttccggaccg gtacctgcag gngtaccagc tttccctana gngagtcgta 180  
ttagagcttg gcgtaatcat ggncanagct gtttcctgng tgaaattggt atcngntcac 240  
aattccacac aaca 254

<210> 50

<211> 72

<212> DNA

<213> Glycine max

<223> Clone ID: 700905847H1

<400> 50

gcatgcacgc gtacgtaagc tcggaattcg gctcgagcta gtttctagat cgcgagctgc 60  
cgcccttttt tt 72

<210> 51

<211> 157

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700905980H1

<400> 51

ngttgcacgc ncgcgtnctg nagctcggan ttcggctgcg gagnntngnt agnnngncng 60  
atcggcacgg atnntactcg gncggactnt gnnacncgg tgaccgnnng tgangacagt 120  
gnngaacgct tacttccaca acaancanca ncgnnan 157

<210> 52

<211> 91

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700906169H1

<400> 52

cgtcgcangc acgcgtacgt aagctcggaa ttcggctcga gngattcaaa actagttgtc 60  
aatcatgtca ataatcaaaa aaaaaaaaaa a 91

<210> 53

<211> 217

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700906256H1

<400> 53

tcgcangcac gcgnacgttn agctcnnggt tcgnngncng ncctnntcta gagcggccgc 60  
cgactagtga gctcgtcgac ncgggaatta attccggncc ggtacctgca ggcgtaccag 120  
ctttccctat agtgaggctg tattagagct tggcgtaatc atggtcatag ctgtttcctg 180  
tgtgaaattg ttatccgctc acaattccac acaacat 217

<210> 54

<211> 64

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700906738H1

<400> 54

gcnngcacgc gtacgtaagc tcggaattcg gctcgagnnc aaaaaaaaaa aaaaaaaaaa 60  
aaat 64

<210> 55

<211> 63

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700906848H1

<400> 55

atgcacgcnt acgtnnngntc ggaattcggc tcgagcnccc tttttttttt tttttttttt 60

ttt

63

<210> 56  
<211> 159  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906856H1

<400> 56

cgcatgcacg cgtacgtaag ctcggaatta attccggacc ggtacctgca ggcgtaccag 60  
ctttccctat agtgagtcgt attagagctt gggcgtaatc atggtcatag ctgtttcctg 120  
tgtgaaattg ttatccgctc acaattccac acaacatac 159

<210> 57  
<211> 66  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700906872H1

<400> 57

gtcgcacgta cgcgtacgta agctcgggna ttncngctcg agctcgagcc gaataanaaa 60  
aaaaaa 66

<210> 58  
<211> 297  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700907445H1

<400> 58

aatcgacgn acgagtagnt cgctntacnt gtngctagag aagactnnga cannanaatt 60  
attgaagnag nananttnctg nncaagggna tatcttgant caagcnatga ntccaggtct 120  
tgnanttnntn ggttnaatct ncaggtcang ngtaaccagg aatcggnaat cgaanntgcc 180  
anggagtgnn ttaanntgnn annngngatg ggtcctncag cngccaagga gntgngaant 240  
tntcatnaca tnatcanagt ttgtgcctna taggaccgtc nnanntggta naaagcn 297

<210> 59  
<211> 216  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700907650H1

<400> 59

gtcgcangca cgcgtacgta agctcggaat tccgagcttg gntcctctag agcggccgcc 60  
gactagttag ctgctcgaac cgggaattaa ttccggaccg gtacctgcag gcgtaccagc 120  
tttccctata gtgagtcgta ttagagcttg gcgtaatcat ggcatagct gtttcctgtg 180  
tgaaattggt atccgctcac aattccacac aacata 216

<210> 60  
<211> 207  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700907812H1

<400> 60

atgcacgcgt acgttagctc ggaattccga gcttggatcc tctagagcgg ccgccgacta 60  
gtgagctcgt cgacccggga attaatccg gaccggtagc tgcaggcgta ccagctttcc 120  
ctatagttag tcgtattaga gcttggcgta atcatggtag tagctgtttc ctgtgtgaaa 180  
ttgttatccg ctcacaattc cacacaa 207

<210> 61  
<211> 368  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700908052H1

<400> 61

aagntntgtg cganangacn annnganng ttngagntnc gganacattg nagaannccg 60  
ganggtgagc aggttagtga gagcannngt aagganattg gacannccgt gnagtnatcg 120  
taagntagg aggttaganng gngagataaa cnnnnanagt nattacnagn tgtgaggang 180

nggaggaaga ngtgagnata tgttgntggn angganntan ccagggnggc tngttgcna 240  
 tgntcntgca gganganagn ntaagnnntg tgncgacnnt tnanttaagc gtgangngng 300  
 gnnctggatc tgnngtgccg tangtcngcg naacanggac ngtgngtnag agtgggcnng 360  
 nacacanc 368

<210> 62  
 <211> 171  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700908362H1

<400> 62  
 agtcgcangc acgcgtacgt aagctcggaa ttccgagctt ggatcctcta gagcggccgc 60  
 cgactagtga gctcgtcgac ncggaatta attccggacc ggtacctgca ggcgtaccag 120  
 ctttccttat agtgagtcgt attagagctt ggcgtaatca tggcatagc t 171

<210> 63  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700908753H1

<400> 63  
 gtcgcatgca cgcgtacgta agctcgggcc gactagttag ntcgtcgacc cgggaattaa 60  
 ttccggaccg gtacctgcag gcgtaccagc tttccctata gtgagtcgta ttagagcttg 120  
 gcgtaatcat ggtcatagct gtttcctgtg tgaaattgtt atccgctcac aattccacac 180  
 aacatacgat nncanaannn nnnnnnnnnn ncagnngan cacangnngn nngagnnnt 240  
 ncannnnnnn cnnnnanann nnnnnnaann nnnn 274

<210> 64  
 <211> 349  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700908770H1

<400> 64

gcnngtctnc acagcacgcy agacgcgngg ctgcgggact ccngncacaa gcctcaangn 60  
cnactagnnt cannetcatt tcccatcccc gggtctatac nacaagggtg ctggccngnn 120  
ggnnantagt gcaatgagta gnatnactng ttnttgcgnt acaaccgagc ntgngtggtc 180  
ggcggttgctt ggcattgagna gccctggcct cattantgcy nngaccaaga nancagcttt 240  
ngccatgcat ggtnnacng tnntagggan tttggcgtna tggananttgc cncanaagcn 300  
ganngtgggt cgcagccatt ccgnttggtc tcgncnngat ctggggagt 349

<210> 65

<211> 223

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700908958H1

<400> 65

cnagatttnt cgtgtatgga gcttagggga ancaagttgc cagtaatnca ccagntncag 60  
ttaacaatan tgagcaaaan agagganttgc gatgggtcatc aaccantact gctgggtgcnt 120  
tggctgggtcc aagactngaa ganaggcgcc tgannccagn caatgctctt nnactanana 180  
atgtcaatga naggtcctat gtacacgcgt agccccaatt ctn 223

<210> 66

<211> 156

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700909339H1

<400> 66

tcgcatgcac gcntacgtaa gctcggaatt ccggaccggt acctgcaggc gtaccagctt 60  
tccctatagt gagtcgtatt agagcttggc gtaatcatgg tcatagctgt ttctgtgtg 120  
aaattgttat ccgctcaciaa ttccacacia catagc 156

<210> 67

<211> 75  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700909352H1  
  
 <400> 67  
 gtgcgacgca cgcgtacgta agctcgggaa ttcgggctcg agcggctcga ganaaaaaaa 60  
 aaaaaaaaaa aannt 75

<210> 68  
 <211> 70  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700909372H1  
  
 <400> 68  
 tcgcangcac gcgtacgtaa gctcgggaatt cggctcgagt tcaaataaaa aaaaaaaaaa 60  
 aaaaaaaaaa 70

<210> 69  
 <211> 429  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700909524H1  
  
 <400> 69  
 nttnncgacc nttnnntnnn tctganttcn ncgnnaganc ntgtgatnan gtgnagnagng 60  
 gaaactnngc ncaggtgngn nnagtagngt gcgcntnca ngnggntgtg nagctataga 120  
 tttagntcgt gttnnntgnt gcggnntagtt ncatngacna ngttgggtan tcncagtgga 180  
 nngnnacntg cnnngtnccc nngtgngcnn agctaagnng tgttcagtna gcataacctnc 240  
 annagtatnc agagttanct cgangttann gatnttagag tgtganngnn gtnaccatgt 300  
 cgtngnnntg cncgctantc tgagatcgta gancgtnta gtcagatnta tgngagtaga 360  
 gntcggnnnc gaannngcan gagatntntg agnnngcttg tctgtccanc nngtgcnga 420  
 tgtgngttt 429

<210> 70  
 <211> 212  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700909711H1

<400> 70

gtcgcangca cgcgtacgta agctcggaat tccgagcttg ggatcctcta gagcggccgc 60  
 cgactagtga gctcgtcgnn cccgggaatt aattccggac cggtagctgc aggcgtagca 120  
 gctttcccta tagtgagtcg tattagagct tggcgtaatc atggtagatg ctgtttcctg 180  
 tgtgaaattg ttatccgctc acaattccac ac 212

<210> 71  
 <211> 152  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700909862H1

<400> 71

gtcgcangca cgcgtacgta agctcgggcc gactagtgag ctcgtcgacc cgggaattaa 60  
 ttccggaccg gtacctgcag gcgtaccagc ttccctata gtgagtcgta ttagagcttg 120  
 gcgtaatcat ggtcatagct gtttcctgtg tg 152

<210> 72  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700910004H1

<400> 72

bgaatgangn ccgncgactc ngacngnaa ccatcancgc ngcngagann agcnagntna 60  
 aaanaggcaa gcnnacnncn ctcangcntn tgcangaant ccntncaagc gtcacancng 120  
 cggnaaagan accncgctna ccangngant cancangtct agtccgcgcn cacatcatgc 180



nctnaattnc ggnnncacan angcncngnc ctggccatcn nngnnnacn nganagcngn 240  
nagcngccnn tcgctncg 258

<210> 73  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700863024H1

<400> 73

ttacccttaa tagagagatt aaacagactc actatacagc tccaaaagat ttgtattttg 60  
ttaaataaac ttagtaaagg taactatcaa atagttgcaa tatataatat ataatgttga 120  
cagatatata atataataaa aactgaatgc cgaatggctg cattttatgc tggttttccc 180  
gaaactgtgc ctgttaggac cgttaatagg caatgttcac ctgggctcca ggctgtcgc 239

<210> 74  
<211> 241  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700863028H1

<400> 74

aaaagacaac ccagagagcg cgtcttaata aacgctcttc tctgaaaacc cccatttctt 60  
ttcttctttc ttcttctctt tcgcttcttc gatcttcgat cttcgtcgtc gaaaatgaga 120  
gagtgcattt caatccacat cgccaggccg ggattcaggt tggaaacgcc tgctgggagc 180  
tttactgcct cgaacacggc attcagcctg atgggcagat gccaaagtgc aagaccgttg 240  
g 241

<210> 75  
<211> 138  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700863037H1

<400> 75

ctcggaatta attccggacc ggtacctgca ggcgtaccag ctttccctat agtgagtcgt 60

attagagctt ggcgtgaatc atggtacata gctgtttacc tgtgtgaaat tgttatcccg 120  
ctncacaatt tccaccan 138

<210> 76  
<211> 40  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700863092H1  
  
<400> 76

agctcggaat tcggctcgag cacaattctt tttttttttt 40

<210> 77  
<211> 214  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700952936H1  
  
<400> 77

gtcgcattgca cgcgtacgtn agctcggaat tccgagcttg ggatcctcta gagcggccgc 60  
cgactagtga gctcgtcgac ccgggantta attccggacc ggtacctgcc aggcgtacca 120  
gctttcccta tagtgagtcg tattagagct tggngtaatc ntggatcatag ctgtttcctg 180  
tgtgaaattg ttatccgctc annattccac acaa 214

<210> 78  
<211> 186  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700953062H1  
  
<400> 78

ncnacanngt aacgntanan ccnncaggga nantccgaga ctncgaagac tcgtatccgn 60  
gccnaactct ggcctggtn c gaaaagggnn ttgncgtcac gncntctcng ggcagaccac 120  
tngcnttcaa gacngcccgt canaatatgn cnncaatann gacaccatna tnnccncac 180  
nctcat 186

<210> 79  
 <211> 153  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700953310H1

<400> 79

acgtcgcang cncgcgtacg taagctcgga attccggaac cggttacctg caggcgtacc 60  
 agctttccct atagtgagtc gtattagagc ttggcgtaat catggtcata gctgtttcct 120  
 gtgtgaaatt gttatccgct cacaattcca cac 153

<210> 80  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953696H1

<400> 80

gatacttaat cctacgttag ttgtgcttca acctattacc gcattcaatt ttccagaaaa 60  
 ataaaaaaaa aagaaagata gaaatggcgc atattcctca gacccccacc aatgacgcgg 120  
 cggcttctgg tgcaaatecg tcgatgacga ccatctcgtt gtacgtcggg gatcttgacc 180  
 acgacgtcaa cgatccgcag ctctatgatc ttttcaacca ggttgcccaa gtcgtttccg 240  
 ttcgaatttg 250

<210> 81  
 <211> 134  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700954431H1

<400> 81

ncgcangcac gcgtacgtaa gctcgnnatt cggctcgagn ttcacatttt gnntgagatt 60  
 tttnatgta acccantant cattggntgg aaaannaaaa aaaaaaaaaa aaaaaanaa 120  
 aaanaaagca aanc 134

<210> 82  
<211> 241  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700954518H1

<400> 82

aangcacgcy tacgtaagct cggaattccg agcttgggnt cctctagagc ggccgcccgc 60  
tagtgagctc gtcgacccgg gaattaattc cggaccggta cctgcaggcg taccagcttc 120  
cctatagtga gtcgtattag agcttggcgt aatcatggtc atagctgttt cctgtgtgaa 180  
attgttatcc gctcacaatt ccacacaaca tacgncnncc ananagagan gnnannngna 240  
c 241

<210> 83  
<211> 224  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700954818H1

<400> 83

acgtcgcatg cacgcgtacg taagctcgga attccgagct tggatcctct agagcggccg 60  
ccgactagtg agctcgtcga cncgggaatt aattccggac cggtagctgc aggcgtacca 120  
gctttcccta tagtgagtcg tattagagct tggcgtaatc atggtagatg ctgtttcctg 180  
tgtgaaattg ttatccgctc acaattccac acaacatacg cgnn 224

<210> 84  
<211> 210  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700954829H1

<400> 84

gtngcangca cgcgtacgta agctcggaat tccgagcttg gatcctctag agcggcccgc 60

gactagtgag ctcgctgacc cgggaattaa ttccggaccg gtacctgcag gcgtaccagc 120  
 tttccctata gtgagtcgta ttagagcttg gcgtaatcat ggcatagct gtttctgtg 180  
 tgaaattgtt atccgctcac aattccacac 210

<210> 85  
 <211> 370  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700954870H1

<400> 85

ngncncngca cgcgtacgta agctcggat tcgntcangt tncaacccta gtcactactc 60  
 actcacaagc atgcacgttn ttnnnnatg cnnncattga tggaccttcc nagcancnta 120  
 ccatgacnan atcnngttgt tntggcctcn gtctgtgac cncntcana gaagnnagaa 180  
 ntccctntgt attacaaggc taatgggtng tttgtggcgc cntgtaggtc naaaggactn 240  
 gactngaagt ngaattcgna nccccccca aattttctga caaacnntga cttcatantg 300  
 gggcataccc ttgttcacgg gnttntntng agacccttnc ctttttagcg tnggnnaatt 360  
 ttncnccagg 370

<210> 86  
 <211> 161  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700954935H1

<400> 86

ngncangncg cgtacgtgag cncgngttn nttccggncc ggtacctgcn ngcgtaccag 60  
 cnttncctat agtgagtcgc attagagctt ggcgtaatca tggncatage ngtttctgn 120  
 gtganatngt natccgctca cnattncaca naacatacga n 161

<210> 87  
 <211> 173  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700954992H1

<400> 87

acgtcgcang cacgcgtacg taagctcgga attccggacc ggtacctgca ggcgtaccag 60  
ctttccctat agtgagtcgt attagagctt ggcgtaatca tggtcatagc tgtttcctgt 120  
gtgaaattgt tatccgctca caattccaca caacatacga ggtngnanan ana 173

<210> 88  
<211> 311  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700955349H1

<400> 88

gtcgcgatgca cgcgtacgta agctcggaat tccgagcttg ggatcctcta gagcggccgc 60  
cgactagtga gtcgctcgac ncggaatta attccggacc ggtacctgca ggcgtaccag 120  
ctttccctat agtgagtcgt attagagctt ggcgtaatca tggtcatagc tgtttcctgt 180  
gtgaaattgt tatccgctca caattccaca caacatacga gtcncgaaag ggggatgtgc 240  
tgcnaaggnga ttaagttggg taacgccagg ttttccagc cagcattgt aaaacgacgg 300  
ccagtgattn c 311

<210> 89  
<211> 159  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700955559H1

<400> 89

gtcgcangca cgcgtacgta agctcggaat tccgagcttg gatcctctag agcgccgcgc 60  
gactagttag ctcgctcgacn cggaattaa ttccggaccg gtacctgcag gcgtaccagc 120  
tttccctata gtgagtcgta ttagagcttg gcgtaatca 159

<210> 90  
<211> 174

```

<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: 700955874H1

<400>      90

acgtcgcgacg cagcgtacg taagctcggc taacagcgcg atttgctggt gacccaatgc      60
gaccagatgc tccacgccca gtacgcgtac cgtcttcatg ggagaaaata atactgttga      120
tgggtgtctg gtcagagaca tcaagaaata acgccggaac attagtgcag gcag      174

```

```

<210>      91
<211>      81
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: 700956158H1

<400>      91

gtcgcangca cgcgtacgta agctcggaat tcggctcgag actagttcta gatcgcgagc      60
ggcggccctt tttttttttt n                                                    81

```

<210>	92	
<211>	403	
<212>	DNA	
<213>	Glycine max	
<223>	unsure at all n locations	
<223>	Clone ID: 700956290H1	
<400>	92	
tctctgaccga	gtngtcgaat	cggctcgagn nttntnttcc nnanctcatg gnaggntntn 60
tccttggnccg	tcttntttnt	nggnnnatng gatncnggtg gcaancnttn tagnganga 120
tgcncnatta	cnatgcancn	atntttntcn ntgcantcna tcattcttttc ggctcggcac 180
attggttcat	cnnaccgnac	nngacatacc gtaggactat antcnggcaa ntctaganct 240
cgctctttnt	aggctatctc	gcgcacaacc ntggaaaantt cacactattt tcgggccacg 300
agatgtaaac	cgctttntac	caaacnctaa tcgntttttn gtcncnatg gtcaaattcca 360
cggtantntt	ngctatggga	acttagcnaa gcttannccc tan 403

<210> 93  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700956318H1

<400> 93

nacngntacg taagctcggg ccgactagtg aantcgtcga cccgggaatt aattccggac 60  
 cggtagctgc aggcgtagca gctttcccta tagtgagtcg tattagagct tggcgtaatc 120  
 atggtagatg ctgtntcctg tgtgaaattg ttatccgctc acaattccac acaacatagc 180  
 nttgggnaaa nacngnnan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnntan nntnaagnnn nnnnnn 266

<210> 94  
 <211> 292  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700956456H1

<400> 94

gtngcatgca cgcgtacgta agctcgggaat tcggctcgag gttctagatc gcgagcggcc 60  
 gccnnttagt ganctcgtcg annccgggaat taattncgga ccggtatctn nanncgtaan 120  
 anntttccct atagtaantc ntattaaaan ntggcgtaat catggncata natgtttccn 180  
 ntnccaatt gntatccggt cnaaattgcc acanaaaata cgantnaaca naaaaaangg 240  
 gaaaaaagga aacnagaatg ggnggcgnaa aaattntngg tgcntcnang ng 292

<210> 95  
 <211> 120  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700956507H1

<400> 95

nncgcgtacg tnagcncgga attcggctcg agcnggtatn nccatgatnn nnacatatga 60



tcannangct tgggcctgat gganntgagg gancaccttc cngnaatcag nncaatnngn 120

<210> 96  
<211> 121  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700956537H1

<400> 96

cgcangcacg cgtacgtaag ctcggnattc gggctcgagc ancgacacc cgnatcaaaa 60

gtcacncnat tcncatcaga gcnncnnnnn cnagcattnc ccttagngta ggtnttgaa 120

g 121

<210> 97  
<211> 306  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700956555H1

<400> 97

natacgcnac ncgaacgnan gcacncan cn cgagnngatc ganatannat anaaccngan 60

nagatcannn aagnagaanc agncgnaaan nannantgtc caaagaacan acgannaana 120

nncanaggca ngcngannac nnancnggnc atgaactnna ctncnacng aacggacn 180

ganggccaag ncnaggnc nanccanctn tnnctncgca tcccanacan gaancaacna 240

acacnnnaac anccaancan cacagcgaca tgcancatan ananctncaa cncngangnn 300

tncaat 306

<210> 98  
<211> 125  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700956576H1

<400> 98

ntgcgcacnt nicgnncgtga attcggctcg agcnncgtnt gcaacntgcc agggtaagaa 60  
 ctcactngag nagantcact ggcnaccaaa caagattncg gtnangnngc agcatcangc 120  
 nttgn 125

<210> 99  
 <211> 291  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700957036H1  
 <400> 99

ttcncgcana cnnagcnnngc tcngantncn gctcnacgcc anncnccacn tnaacnncac 60  
 aagctnnntn cccanccaac tangnnncaa cncnnacnnc nnnaaannat ngnetnacnc 120  
 cannnnnnnn cgnetgcaag tgcagcccn cnagnnnccc cccncgggn naaggggncc 180  
 gnnagcnggc caatnnngnn tgnngtgggg gngnnccggn gnnngngnct gntgtgggng 240  
 gttctggtng ggngngggng ggnanccgna gcangtcnct gnnagntnn n 291

<210> 100  
 <211> 194  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700957254H1  
 <400> 100

acgtcgcatg cacgcgtacg taagcttgga tcctctagag cggccgcgga ctagtgagct 60  
 cgtcgacccg ggaantccgg accggtacct gcaggcgtac cagctttccc tatagtgagt 120  
 cgtattagag cttggcgtaa tcatgggtcat agctgtttcc tgtgtgaatt gttatccgct 180  
 cacaattcca caca 194

<210> 101  
 <211> 67  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700957427H1

<400> 101

gcacgcgtac gtaagctcgg aattcggctc gaggttctag atcgcgagcg ccgccctttt 60  
ttttttt 67

<210> 102

<211> 65

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700957457H1

<400> 102

gtcgcntgca cgcgtacgta agctcggaat tcggctcgag nnaaaaaaaaa aaaaaaaaaa 60  
aaaan 65

<210> 103

<211> 178

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700957794H1

<400> 103

acgtcgcang cacgcgtacg taagctcggg ccgactagtg agctcgtcga cccgggaatt 60  
aattccggac cggtaacctgc aggcgtacca gctttcccta tagtgagtcg tattagagct 120  
tggcgtaatc atgggtcatag ctgtttcctg tgtgaaattg ttatccgctc acaattcc 178

<210> 104

<211> 134

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700957855H1

<400> 104

ncntctgcgc gcacgcgtac gtaagctcgg aatncggcnc gagaaaggac taacccttcc 60  
tgggatcngc tttgcnagnc nctttngcnn cgcncacngn cggnaangng gaacncgaga 120  
ggnnagagaga ggcg 134

<210> 105  
 <211> 124  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700957886H1

<400> 105

ngtctgcacg cagcggtacg taagctcggg ccgnntagng agntcgtcga cccgngaatt 60  
 aantccggac cggtacctgc aggnctgacc agctttgccc taangngtga gtnccgnatta 120  
 gagg 124

<210> 106  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957916H1

<400> 106

agtggaaact gagattctga gaggaatcag cccttttccg tatactttac ttgaacaagc 60  
 cgtttgagtt cggcgtgttt aataaataaa atcacaagac aacgttgtct tgcgcctgaa 120  
 agtggttggtg agacaaaacc acaatacagt tttagaatgg agaagacagc agttaagtt 180  
 cgatgccaga ggattgggtg cgacgccatg ttctccgagg ccgacaaccc cgacggttcc 240  
 tgtcga 246

<210> 107  
 <211> 160  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700957955H1

<400> 107

gtcgcangca cgcgtacgta agctcggaat taattccgga ccggtacctg caggcgtacc 60  
 agctttccct atagtgagtc gtattagagc ttggcgtaat catggtcata gctgtttcct 120  
 gtgtgaaatt gttatccgct cacaattcca cacaacatan 160

<210> 108  
 <211> 188  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700958174H1

<400> 108

gtcgcnnnga cgcgtacgta agctcgggcc gactagttag ntcgtcgacc cggaattaa 60  
 ttccggaccg gtacctgcag gcgtaccagc tttccncata gtgagtcgta ttagagcttg 120  
 gcgtaatcat ggtcatagct gtttcctgtg tgaaattgtt atccgctcac aattccacac 180  
 aacatacg 188

<210> 109  
 <211> 216  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700958570H1

<400> 109

gtcgcangca cgcgtacgtn agctcgggaat tccgagcttg gatcctctag agcggccgcc 60  
 gactagttag ctcgtcgacc cggaattaa ttccggaccg gtacctgcag gcgtaccagc 120  
 tttccctata gtgagtcgta ttagagctgg cgtaatcatg gtcatactg tttcctgtgt 180  
 gaaattgtta tccgctcaca attccacaca acatag 216

<210> 110  
 <211> 211  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700958760H1

<400> 110

angtcgang cagcgtacg tnagctcgga attccgagct tgggacctc tagagcggcc 60  
 gccgactagt gagctcgctg acccgggaat taattccgga ccggtacctg caggcgtacc 120

agctttccct atagtgagtc gtattagagc ttggcgtaat catggtcata gctgttcctg 180  
 tgtgaaattg ttatccgctc acaattccac a 211

<210> 111  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700958926H1

<400> 111

ctgcacgcgt acgtaagctc gggccgacta gtganctcgt cgacccggga attaattccg 60  
 gaccggtacc tgcaggcgta ccagctttcc ctatagttag tctgtattaga gcttggcgta 120  
 atcatgggtca tagctgtttc ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat 180  
 annangnnaa aaaagangnn ngntnnnnn cngcnnnnn nnnnngggnn nnnnnnnnn 240  
 nnnnnncnnt tnnnnnnnnn nnnnnnnnnn nnnn 274

<210> 112  
 <211> 145  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700959261H1

<400> 112

tntttcnccc tntacgtncg caaanctcng anatgnnngc tngcaanngt gaaganannn 60  
 ncaaanatgt ntngntcnga gnganntatn gnancgtctn tntgtacann ncgcnangnn 120  
 ncagtnngcn ncttcagagn acacc 145

<210> 113  
 <211> 160  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700959933H1

<400> 113

aaaaangaaa agtcgcangc acgcgtacgt aagctcggaa ttcggctcga gagttaacca 60

acaagcttac ttttatggnn tnnnatchat antgnnncgc nanggatnna ttcctgtgtn 120  
gcntcaangg aatcgtag nactggtatt caaagacaan 160

<210> 114  
<211> 60  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700960060H1  
  
<400> 114

tgcgatgcac gcgtacgtaa gctcggaatt cggctcgang ncngcccttt tttttttttn 60

<210> 115  
<211> 54  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700960138H1  
  
<400> 115

agcgcangca cgcgtacgta agctcggaat tcggctcgag nttttttttt tttt 54

<210> 116  
<211> 202  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700960405H1  
  
<400> 116

cangcncgcy tacgttagct cggaattcgg ctcgagncta gttctagatc gcgagcggcc 60  
gccgnctagt gagctcgtag acccggaat taattccgga ccggtacctg caggcgtacc 120  
agctttccct atagttagtc gtattagagc ttggcgtaat catggtcata gctgtttcct 180  
gtgtgaaatt gttatcngct ca 202

<210> 117  
<211> 216  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700960521H1

<400> 117

cgcngcatgc acgcgtacgn aagctcggaa ttccganttn gatcctctag agcggccggn 60  
gactagttag tcgtngacgc gggaattaat tccgnaccgg nacctgcagg cgtaccagct 120  
ttgcctatag tnagtcgtan tanagcttgg agtaatcang gtcanagctg tttcctgtgt 180  
gaaantgnta ncgcgctcac aattncacan aacata 216

<210> 118

<211> 316

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700960527H1

<400> 118

actacgaccc anccgcaagc naccctcgca attccnctcn cgnccccaan canacncacc 60  
acnaantccc ctccccaccc agccccccac cnnccacccc ccacacccca ntncncncc 120  
aanccacncc tccccacccc cncccccacc cccncccnac cccccccgcc ccgacccaen 180  
nccccctecn ncnncncc ccacccncc nccacacccc nccccacgc ccacncncg 240  
cncaccccc ncnaccncc ntnccccacc cntnnccgc cnnacacccn cccncccn 300  
cccccccccc ncccc 316

<210> 119

<211> 87

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700960625H1

<400> 119

gcnncangca cgcgtacgta agctcggaa tcggctcgag gnnncnananc ncnancngnc 60  
gngctntnct tttttttttt tggnnnn 87



<210> 120  
 <211> 64  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700960659H1  
  
 <400> 120

acgtcgcang cacgcgtacg taagctcgga attcggctcg agccgagaaa caaaaaaaaaa 60  
 aaaa 64

<210> 121  
 <211> 179  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700960768H1  
  
 <400> 121

gtcgcangca cgcgtacgta agctcgggcc gactagtgac atcgtcgacc cggaattaa 60  
 ttccggaccg gtacctgcag gcgtagcagc ttccacnana gtgagtcgta ttagagcttg 120  
 gcgtaatcat ggtagatgct gtttctctgtg tgaaattggt atccgctcac aattccaca 179

<210> 122  
 <211> 286  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700961062H1  
  
 <400> 122

gtcgtangcn cgcgtacgtg agctcgggaat tcggctcgag ctgaatttga gactttccac 60  
 acaacanang agtntncgng ngncgnangc gngngngggn ggnnncctcn agccnccgnc 120  
 ngccnncgng ngngccgncn ncnnngngnn cctnncacg tcgnnnnncgn gnnngnntgn 180  
 nnctgtggcn gncnccgngn gccngggngc nncgggngcg gtnggtgggn nggnnnngnn 240  
 cgngtgagca gntannngnn gnnngnccngg ggnnnnnnngn ggncng 286

<210> 123

<211> 130  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700961351H1  
  
 <400> 123  
  
 cncntttnac ncacgcgtac gtaagcncgg aattcggctc ganaganact ncccgttncc 60  
 aactncacgn tgenataccn tgntgaagnt cgagtgggcc tnggtncgtt tcactaagtg 120  
 ancganagan 130

<210> 124  
 <211> 60  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700961361H1  
  
 <400> 124  
  
 gtcgcangca cgcgtacgta agctcggaat tcggctcgag naaaaaaaaa aaaaaaaaaan 60

<210> 125  
 <211> 370  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700961968H1  
  
 <400> 125  
  
 tgtcggagag tgatcgtnac atcagcagtg tcctctcntg atacttggtg gangttatgn 60  
 nccatcttct ggcagaacta atgtcaccac ctgcaattgc nggtggtgac atttagttct 120  
 gccagaagga tggctcatta nacttaaatg gtaganccaa cctngncaca tttngccaaa 180  
 ncantttctt anctcggggg tttccccctn ctttttcggg ttngggccngg tttttgncca 240  
 ttgggggctt taaaagggga aaanccattt gaaattanaa ntaagggggg aanggaaccc 300  
 ggatttggn cttcccccaa nntttnnncn nggccccctt tncnntnn ccccnaaang 360  
 ggnnnctttc 370

<210> 126  
<211> 165  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700962377H1

<400> 126

gncgtcgcan gcacgcgtac gtaagctcgg aattccggna ccggttacct gncagggcgt 60  
ccagctttcc ctatagttag tncgtcatta gagcttggcg taatacatgg tacatagctg 120  
tttnctgtg tgaaattggt ataccgnctc acaattccac canca 165

<210> 127  
<211> 201  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700962464H1

<400> 127

tgcgancac gcgtacgtaa gctcggaatt cggctcgagt ctagatcgcg agcggccgccc 60  
gactagttag ctgctcgacc cggaattaa ttccggaccg gtacctgcag gcgtaccagc 120  
tttccctata gtgagtcgta ttagagcttg gcgtaatcat ggcatagct gtttctgtgt 180  
gaaattgtta tccgctcaca a 201

<210> 128  
<211> 86  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700962735H1

<400> 128

acgtcgnatg cacgcgtacg taagctcgga attcggctcg agctagttct agatcgcgag 60  
cggccgccct tttntttttt tnttna 86

<210> 129  
<211> 65  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700962758H1

<400> 129

gtcgcangca cgcgtacgta agctcggaat tcggctcgag naaaaaaaaa aaaaaaaaaa 60

aaaaa 65

<210> 130

<211> 57

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700962816H1

<400> 130

gngcacgcg tacgtaagct cggaattcgg ctcgagnnaa aaaaaaaaaa aaaaaan 57

<210> 131

<211> 301

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700962846H1

<400> 131

nntacganng tacgcgtncg tnagntcggg attcggctcg aanggatagn ngattgaggn 60

tnaatcggtg nnntgntgtg nggnaagntn aggaanatan gngctagatn gnagnangcg 120

attttnttat atganattnn aaagagtnga ntggatnatc tcaatcccat gaattagcna 180

ttgagtttna gctgaatcgg acatcgttga cgatntcnct cantcacaca ctactgnntc 240

ggncagntta caagtnaach cngcgtgctc agnnnaccct anntattagg ggntngntgt 300

g 301

<210> 132

<211> 218

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700963052H1

<400> 132

gtcgcacgca cgcgtacgtn agctcggaat tccgagcttg ggatcctcta gagcgggccgc 60  
cgactagtga gctcgtcgac ancggaatt aattccggac cggtagctgc aggcgtacca 120  
gctttcccta tagtgagtcg tattagagct tggcgtaatc atggatcatag ctgtttcctg 180  
tgtgaaattg ttatccgctc acaattccac acaacata 218

<210> 133

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700963237H1

<400> 133

gtcgcangca cgcgtacgta agctcggaat tcggctcgag nnnctnnana nnttgagana 60  
tcnnncnnnn ntntnnncng tngncanncg anacctnag ctctcggnnn cttgntantt 120  
tcggnnccgn nncgatactn tnaccgtnat tnnnnnnnt nnnccgggaa nntggtnnnc 180  
gnggangnan gnnngggcgc tcaagntcct ntgtgacncc gcngntcana nggnaccgta 240  
ccgtnatnnc gtnctgtgt ntccccnaan tngannaang ggtctagnat tgcgcacg 298

<210> 134

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700963294H1

<400> 134

tccangacgg tactaagtcg gaatcggtc gagnggann ctnnccacc ancctgtac 60  
nctctngtn ncncttcncc ccaactnnac ggncnntnag nnnntnagtt cnaagntac 120  
annacagcgt gtgtncggnt anangacncc gtcnntnacc ncgagnanan tgaganaatg 180  
nctgaaaaaa cgggtataac ccacagatga cncgggggtg aaangtgatt cgatggccaa 240  
tacngccngt tgnattcccc anttcccgan tggaggccaa gaccctata tagattntct 300

accggtgtg ggattggagg acgtcttacc cagtaaactt ttgtaccccg accaaaactt 360  
 tggancccat ggcaattttt tcgnggntta gctnaaactt nttgagaatn ggggtttggn 420  
 gccattttac cntcttggcg gatcgngacn aaaag 455

<210> 135  
 <211> 78  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700963429H1

<400> 135

tngcangcac gcgtacgtaa gctcgggaat tcggctcgag cnccatttgt gctatattta 60  
 tggtatgttt ttatttgn 78

<210> 136  
 <211> 162  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700963554H1

<400> 136

aacntcgcan gcacgcgtac gtaanctcgg aantcggctc gagatngntt naaaatnaat 60  
 gnnnggactg tgtncatggn acttgcanaa nancanattg gcagttatng ncaccacann 120  
 nanactttna ctataatgat gccnatttna cgtgctgngg tt 162

<210> 137  
 <211> 310  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700963645H1

<400> 137

acgtcgcang cacgcgtacg taagctcgga attccggacc ggnacctgca ggcgtaccag 60  
 ctttccttat agtgagtcgt attagagctt ggcgtaatca tggatcatagc tgtttcctgt 120  
 gtgaaatngt atccgctcac aattccacac aacatacgnc ccgcnennnn ngangnnnn 180

ncnnnnnnnn nannannngn nnnnngnnnnn nnnnnnnnnn nnnngnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn cnnnnnnnan cnncttnnnn cnnnnnnnnn nnacccccnn 300  
 nnnnnnnnnn 310

<210> 138  
 <211> 162  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700963845H1

<400> 138

gtcgcangca cgcgtacgta agctcggaat tcggctcgag gactagttct agatcgcgag 60  
 cggccgccgn ctagtgagct acgtcgaccc gggaattaat tccggaccgg tacctgcagg 120  
 cgtaccagct ttccctatag tgagtcgtat tagagcttgg cg 162

<210> 139  
 <211> 75  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700964251H1

<400> 139

agtcgcangc acgcgtacgt aaagctcgga attcggctcg agcttctctg cttggaggct 60  
 tttntttttt tttnn 75

<210> 140  
 <211> 447  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700964519H1

<400> 140

ctgaggagag tcgatcgta aaaatcaacc tggccctca acttctctat tgttctctcc 60  
 gtctccctag ccttcttttt ggtggctact taaccaaggg cacaactccg anccgataac 120

ncgttttcct tctacaacct ttgcananca aagtttgcaa agcncccaag nttcccaaaa 180  
 cnccaaaaan cnatnttaat tgggcttccn caaaaanaca agnaattggc cttaaggtta 240  
 attttgncc cattgcccc tcccttgggg ggggggttng gtnttaaanc caaaaacntt 300  
 gcccaacccc caaaaaaag gtttttgggg ggcccaaggg cccaaaaaac cgggggnccn 360  
 ggtttgggnc cnccccaaaa ccccttttnn cggggggggg aaaattnccc ttgcccttcc 420  
 ccgggggntt ttncccggtt ttggnnc 447

<210> 141  
 <211> 216  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700964805H1

<400> 141

gtcgcngcna ncgnacgtaa gctcggaatt ccgagcttgn catcctctag agcggccgcn 60  
 gactagttag ctgcgtgaan cgggaantaa ttccggaccg gtacctgcca ggcgtaccag 120  
 ctttccttan agtgagtcgt atnanagctt ggcgtaatca tggcatagc tgtttcctgt 180  
 gtgaaattgt nactngctca cnantccaca caacat 216

<210> 142  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700962086H1

<400> 142

ctctttctct agtcctgta tttctcagcg cgtaaagcat ggctttgttg gtggagaaaa 60  
 ccacgagtgg tcgcgagtac aaggtaagg acctttcca ggccgacttc ggccgcctcg 120  
 agatcgagct ggccgaggtt gagatgcccg gcctcatggc ctgtcggacc gagttcggcc 180  
 cctcccagcc cttcaagggg gcccgcatca ccggctccct ccacatgacc atcca 235

<210> 143  
 <211> 260  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700903523H1

<400> 143

tccaggagta ctggtggtgc accgagcgcg ccctcgactg gggccccggt ggtggacccg 60  
acctcatcgt cgacgacggt ggtgacgcta cccttctcat ccacgaaggc gtcaaggccg 120  
aggagctcta tgagaaaccg gcgaactccc cgacccaac tccaccgaca acgccgagat 180  
tcagatcgtg cttaccatca tcagagatgg gttgaagacc gatccacca ggtaccgcaa 240  
gatgaaggag cgtctcgttg 260

<210> 144

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700863078H1

<400> 144

cgtaagtaca ctgaggtgaa gccagccctc acaaacatgg ttgccgcagc aaaactcatc 60  
cgcaacgaac ttgccaaagt aatggtataa gaaagtagaa tcttccaagt catttggttc 120  
tgctttatat tataatacac aaagaaaaat tttctctata ttgggttggt tcaataactg 180  
tgtgtggaat atttaggtgt cttagcatgc tctgtgagca attgattctt cctcaacccc 240

<210> 145

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 700953594H1

<400> 145

ttattgctga ccttaaggca gctggtgctt catggattca atttgatgag cctacccttg 60  
tcttggaact tgaatctcac aagttgcaag ctttactga cgcatatgca gaacttgac 120  
ctgctttgtc tgatctgaat gttcttggtg agacctactt tgctgacatc cctgctgagg 180  
cgtacaagac cctcacatct ctgaatggcg tctactgcata tgggtttga 229

<210> 146

<211> 259

<212> DNA  
<213> Glycine max

<223> Clone ID: 700905233H1

<400> 146

cttgttgctc tccaagcctg ccaagggagt cgagaaatcc tttctctcc tctctctcct 60  
tcccaagggt cttgctgtct acaaggaagt tattgctgac cttaaggcag ctggtgcttc 120  
atggattcaa tttgatgagc ctacccttgt cttggacctt gaatctcaca agttgcaagc 180  
tttcaactgac gcatatgcag aacttgcacc tgctttgtct gatctgaatg ttcttgttga 240  
gactactttg ctgacatcc 259

<210> 147  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700959515H1

<400> 147

gattgcaccc acccattaac ggtgatgtga gccgccc aaa gccaatgacc gtcttctggt 60  
catctctggc tcagagcttt accaagcgcc caatgaaggg aatgcttacc ggtcctgtta 120  
ccattctcaa ctggtccttt gttagaaatg accaacctag atctgagacc acctaccaga 180  
ttgctttgtc tatcaaggac gaagtggaag accttgaaaa ggctggcatc actgttatcc 240  
aaattgatga agctg 255

<210> 148  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952331H1

<400> 148

gaccttgctg cttctctcac tacattgcag ggtcttgagg gcattgtggg caagataag 60  
cttgttggtt ccacctctc ctcccttctt cacactgctg ttgatcttgt taacgagacc 120  
aagttggatg acgagatcaa gtcattggcta gcatttgctg cacaaaaaat tgttgaagtt 180  
aacgcattgg ctaaggcatt gtctggcaac aaggatgtgg ccttcttctc tgctaattgt 240

gcagctcagg cttcaaggaa gtcctctcca aga

273

<210> 149  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700964425H1

<400> 149

cttgctccct cagaagcgaa gaagaagcca cagagaacca gtctcctact ctctctcacc 60  
cacaagaaaa atggcatctc acatcgttgg atacccccgc atgggtccca agagagagct 120  
caagttcgct ctcgagtctt tctgggatgg caagagcagc gccgaggatt tgcagaagg 180  
ggctgctgat ctccaggtcat ccattctggaa gcagatggct ggtgctggga tcaagtacat 240  
ccccagc 247

<210> 150  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908840H1

<400> 150

aagaagttca accttccaat cctcccaacc accacaattg gatccttccc tcagactggt 60  
gaactgagga ggggtgcgtcg tgaatacaag gctaacaaga tctcagagga ggagtatggt 120  
agttcaatta aagaggaaat ccgcaaagtt gttgaactcc aagagaatct tgatatcgat 180  
gtcctggtag acggggagcc tgagaggaat gacatggtag agtactttgg tgagcagttg 240  
tcaggctttg cctttacc 258

<210> 151  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700958865H1

<400> 151

ctttgttttc aattagggtt ttttggtgct ctcttcaaa ctccatcttt ccaaatcctc 60

tctttgcgat tgtgttttga tctgttctct actgcgatag tttctctact gttacatggc 120  
catggcggtt tccgcaattg gttttgaagg tttcgagaaa aggttggaag tatccttttt 180  
ccagccggga ctttttgctg accctgaagg aaggggtcta agggctctta caaaatccca 240  
gttgggtgag a 251

<210> 152  
<211> 233  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700962044H1

<400> 152

aatgacacca cctacccctt tctccctata aatggcaact caatgcccc cttagaactc 60  
gcagcgcttg atttgaggcc aggcaagccc cactcaacca ccacacctt cctcgttcac 120  
gctacccctt tctgtcttct ttctaccttt caagttttta aagtataaag atggcagaga 180  
cattcctatt tacctcagag tcggtgaacg agggacaccc tgacaagctc tgc 233

<210> 153  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700964366H1

<400> 153

caggcaagcc ccactcaacc accacacctc tctcggttca cgctacccct ttctgtcttt 60  
cttctacctt tcaagtttta aaagtataaa gatggcagag acattcctat ttacctcaga 120  
gtcgggtgaac gagggacacc ctgacaagct ctgcgaccaa atctccgatg ctgtcctcga 180  
cgcttgcttc gagcaggacc cagacagcaa agttgcctgc gaaacatgca gcaaaaccaa 240  
cttggtcatg gtcttcgg 258

<210> 154  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906176H1

<400> 154

cacactcggt catatatctc tctgctcttc tcttctcttc tacctctcaa gtttttgaag 60  
tataaagatg gcagagacat tcctattcac ctggagtgca gtgaacgagg gacaccctga 120  
taagctctgc gaccaaattc cccgatgctgt cctcgacgct tgcctcgaac aggaccaga 180  
cagcaagggt gcttcgcaa catgcaccaa gaccaacttg gtcattgtct tcggagaga 239

<210> 155

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700907558H1

<400> 155

gaaaaagttg gtgtgctgct tctcaatcta ggaggaccag agacattgaa tgacgttcaa 60  
ccttttctgt ttaattcttt tgcagatcct gatatcattc gtcttccaag gttgtttcgg 120  
tttctccagc gaccattggc aaaattgatt tctgtacttc ggtctcctaa atccaaggaa 180  
gggtatgctg ctattgggtg tggctctcct ttacgcaaaa ttacagatga ccaggcactc 240  
gcaattaa 248

<210> 156

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700964466H1

<400> 156

ctcccttatt attaaattaa aaagctgaca aattgggggg tcaactgatg aattagatcc 60  
attccttggg gttgatgcat gcgtccaaga gtttccattc ttgcttctct tcttccggtt 120  
tatgatcgta ttcccaccga gcagtcagtg ggagagaaac aagtatactc tctattctcc 180  
ctccagtttt cagtccaaat gttgtacccc tatcatatac caaattgaat tcaacatata 240  
gtcccttc 249

<210> 157

<211> 201

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700960522H1

<400> 157

gcgacacncg gcctccactt ctnaagtacc ngaanaacaa tnnaagaatg taagagggga 60  
tggaactgnt gacngcaagg aatgggntag natctatgat tatgatgtnt acaatgactt 120  
ggnggatcca cataanggtg aaaagtatgc tacgcngcnn cnntggaggt tgnnccttac 180  
ctnanctcgc agangngaca a 201

<210> 158  
<211> 281  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956601H1

<400> 158

gtgagaagcc gagcgatttt gtttaccttc caagagatga agcatttggt cacttgaagt 60  
catcagattt tctcgctttt ggaatcaaat ctgtatccca agatgtcttg cctgtcttga 120  
ctgatgcatt cgatggaaat attttgagcc ttgagtttga taattttgct gaagtgcgca 180  
aactctatga aggtggagtt acactaccta caaactttct tagcaagatc gccctatac 240  
cagtgatcaa ggaaattttt cgaactgatg gcgaacagtt c 281

<210> 159  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906062H1

<400> 159

gcgattttgt ttaccttcca agagatgaag catttggtca cttgaagtca tcagattttc 60  
tcgcttatgg aatcaaactt gtatcccaag atgtcttgcc tgtcttgact gatgcattcg 120  
atggaaatat tttgagcctt gagtttgata attttgctga agtgcacaaa ctctatgaag 180  
gtggagttac actacctaca aactttctta gcaagatcgc ccctatacca gtgatcaagg 240

aaatttttctg aactgatggc gaacagtt

268

<210> 160

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700952395H1

<400> 160

atctttcttg aaaaatgatg gaactttgac gccattggcc attgagttaa gtaagccaca 60

tcctcagggt gaagcatatg gtcctgttag tgaagtctac gtgccttcga gtgaaggagt 120

tgaagcttac atttggttac tggcaaaggc ttacgttggt gtgaatgatg cttgctacca 180

tcaaatacatt agccattggc taaacactca tgcggttggt gagccattcg tcatagcgac 240

aaacaggcat ctgagcgtgg ttcacccta 269

<210> 161

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700952820H1

<400> 161

cttgggtggg ctactgttg agcaggctat ccagagcaag aagctgttca tcttagatca 60

ccatgactat ctattccat atttgaggaa aataaatgca actaccacaa agacttatgc 120

taccagaacc atatttttct tgaaaagtga tggaactttg acgccattgg ccattgagtt 180

aagtaagccg catcctcaag gtgaagaata tggtcctgtt agcgaagtct acgtgccttc 240

gagcgaagga gtt 253

<210> 162

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700958786H1

<400> 162

gtgatgcagg tcgacaagtc tgcattgatg actgatgaag aatttgcaag agaaacaatt 60

gctggtttga atccaaatgt catcaagatt attgaggagt tcccactaag tagcaagcta 120  
gatactcaag cctatggtga tcatacctgt ataataacaa aagagcattt ggagcctaac 180  
ttaggtggtc tcaactgtga gcaggctatc caaaacaaga agttgttcat cttagatcac 240

<210> 163  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953684H1

<400> 163

gaagaatgta agaggggatg gaactggtga gcgcaaggaa tgggatagga tctatgatta 60  
tgatgtctac aatgacttgg gcgatccaga taagggtgaa aagtatgcac gccccgttct 120  
tggaggttct gccttacctt accctcgag aggaagaacc ggaagaggaa aaactagaaa 180  
agatcccaac agtgagaagc ccagtgattt tgtttacctt ccgagagatg aagcatttgg 240  
tcact 245

<210> 164  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908450H1

<400> 164

cttcaagaga ttgaacaaaa gcttatacag aagaacaagg acgagacgtt gagaaaccgc 60  
agtgggccgg ctaaaatgcc ttacactttg ctctatcctt ctagtgagga gggattgact 120  
ttcagaggaa ttccaacag tatctccatc taggggctct atgggtgttg cagtactttc 180  
cctggttttc aataaaagtg aatagaagga atatgattcc ttcattacc tatgtatggt 240  
taagttatgt atttgggg 258

<210> 165  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909337H1



<400> 165

ggcttccctc cctcctttga agaaacaaat tagaagagtg tgttgtgttg tgttgaagta 60  
gcaagctagc aaagatgttt ggcatcttag gaggcaataa ggggcacaag atcaagggtg 120  
ctgtggtggt gatgagcaaa atgtgttgga cttcaacgaa atagtgtcca ctactcaggg 180  
tggttttggt ggtgctgcca cggcatctt cgggtgtgcc accggtattg ttggtggagt 240  
tgtcgatggt gctactgcca tcttcagt 268

<210> 166

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700955588H1

<400> 166

gttttgttta ttgaaatta acaagtagca aagatgtttg gaatcatcgg aggaaacaag 60  
ggtcacaaga taaaggggaa cttggtgatt atgcgaaaga atgtgttgga tatcaacagc 120  
attaccagtg ttaaggggtg catcggaacc ggcattaaca tcattggagg agtcgtcgac 180  
accgttactg ctttggcgtc ccacatctcc atccagctca ttagtgccac caaggctgat 240  
ggacatggg 249

<210> 167

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700963486H1

<400> 167

tttgtttatt tgaaattaac aagtagcaaa gatgtttgga atcatcggag gaaacaaggg 60  
tcacaagata aaggggaact tgggtgattat gcgaaagaat gtgttgata tcaacagcat 120  
taccagtgtt aaggggtgtc tcggaaccgg cattaacatc attggaggag tcgtcgacac 180  
cgttactgct ttggcgtccc acatctccat ccagctcatt agtgccacca aggctgatgg 240  
acatggga 248

<210> 168

<211> 247  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700962562H1  
  
 <400> 168  
  
 atttgctgtg gagatgtctt cggcagttta caaggggtgg gttttcactg atcaagccct 60  
 tcctgcggat cttatcaaga gaggaatggc agtggaggat ccatacctctc cctatggcct 120  
 tcgccttgtg atagatgact acccttatgc tgttgatgga ctagagatat ggagtgttat 180  
 ccagacatgg gttaaggact acgtctcctt gtactatgcc acggatgatg cagttaagaa 240  
 agactca 247

<210> 169  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700962101H1  
  
 <400> 169  
  
 agcaaagatg acaggtggga tgtttgaag gaaggggcaa aagataaagg ggacagtggg 60  
 gttgatgccaa aagaatgtgt tggacttcaa cgccataacc tccgtcggaa aaggcagtgc 120  
 taaggacacc gccaccgatt tcttgggcaa aggcttggac gcattaggtc atgcagttga 180  
 tgctctcact gccttcgctg gccatagcat ctcttgcag cttatcagtg ctactcagac 240  
 tgatggtagt ggaaaaggaa aagtt 265

<210> 170  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954911H1  
  
 <400> 170  
  
 gcaaagatga caggtgggat gtttgaagg aaggggcaaa agataaaggg gacagtgggtg 60  
 ttgatgccaa agaatgtgtt ggacttcaac gccataacct ccgtcggaaa aggcagtgc 120  
 aaggacaccg ccaccgattt cttgggcaaa ggcttggacg cattaggtca tgcagttgat 180

gctctcactg ccttcgctgg ccatagcatc tccttcgagc ttatcagtc tactcagact 240  
 gatggtagt gaaaaggaa 259

<210> 171  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954746H1

<400> 171

gcaaagatga caggtgggat gtttggaagg aaggggcaaa agataaagg gacagtgggtg 60  
 ttgatgccaa agaattgttt ggacttcaac gccataacct ccgtcggaaa aggcagtgt 120  
 aaggacaccg ccaccgattt cttgggcaaa ggcttgacg cattaggtca tgcagttgat 180  
 gctctcactg ccttcgctgg ccatagcatc tccttcgagc ttatcagtc tactcagact 240  
 gatggtagt gaa 253

<210> 172  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953716H1

<400> 172

tccaactcca ctagtgaagt acagaaaaga agaattggaa aatctaagag gagatggaaa 60  
 aggagagcgc aaggaatatg ataggatcta tgattatgat gtctataatg atttgggtaa 120  
 cccagacaag agcaatgac tagctcgctc tgttcttgga gggcttagtg cctatccata 180  
 tcctcgcagg ggaagaactg gtagaaaacc aacaacaaaa gactctaaga gtgagtcacc 240  
 atccagcagc acct 254

<210> 173  
 <211> 115  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700957539H1

<400> 173

attatgatgt ctataatgat ttgggtaacc cagacaagag caatgatcta gctcgtcctg 60  
 ttcttggagg gtctagtgcc tatccatata ctgcgagggg aagaactggt agaaa 115

<210> 174  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955952H1

<400> 174

cagaaatctc atctcagtga ttcaccggtg attggtgatg gctcagccgc ttgtgaagaa 60  
 agacgatgac cgcgacgacg aagctgagta ttcccccttt ctgggacttg aaaaggggtc 120  
 tgttcttcag gaggccaggg tttttaatga ccctcaacta gatgctagga gatgttcaca 180  
 ggttattaca aaactcctat acctacttaa tcagggagag acgtttacaa aggttgaagc 240  
 cacagaagtt ttctttgctg tg 262

<210> 175  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909030H1

<400> 175

gttttgaatc acaatggcag aggatgatgg ttacacaaaa gatggaacag tagattactg 60  
 tggaaatcca gctaataaaa aggaaactgg aacctggaaa gcctgcccct ttatcttagg 120  
 aaatgaatgt tgtgaaagat tggcttatta tgggatgagc acaaactgg tgctttattt 180  
 taagaagcgg ctacatcagc atagtgtat tgcttccaag aatgtctcta attggagtgg 240  
 aacttgctat a 251

<210> 176  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954644H1

<400> 176

caattgttac ctatatttct tcattcctcc tgtctgattg ctacagaact cctgacccctg 60  
 tcactgggaa aagaaactac tcttacatgg atgctgtag agtttatctt gggtataaaa 120  
 ggacatgtgt agctggcttc cttcaatttt tgactttgta tgggtactagt attgcttatg 180  
 tactaaccac agcaactagt ctgagtgcac ttctgagatc aaattgttat cacaagaaag 240  
 ggcatgaa 248

<210> 177  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954213H1

<400> 177

gttgaagtcc cagataccgc tcacacagata agcactgatt catgggtttca agtggcctttt 60  
 atcctcaciaa ccggaatcaa cagtgccttt gttcttgat atccaggac cgtcatgggt 120  
 cccctgggtt ggatcggggg tgtgattggt ctaattcttg ctaccatggt gtcactctat 180  
 gcaaagtctc taattgctta tctccatgaa ttaggaggcc aaaggcacat taggtataga 240  
 gatcttgctg ga 252

<210> 178  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700958295H1

<400> 178

tctcgttctt catggccgct ggcaacgtgc ttgggtatgc tgcagggtcc tacagcggctc 60  
 tccacaagat ctcccccttc acggagacca aggcctgtga cgtcttctgc gcaaacttaa 120  
 aaagctgttt ctttttctcg atcctactgc ttctcttttt agcaactggt gctctgctct 180  
 acgttaagga caagcaagt gaagcaattc ctctggatga tgccactcaa ccctcttggt 240  
 tctttcagct 250

<210> 179  
 <211> 243  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700959873H1

<400> 179

aacattcact cctctctct tgtcttttcc tctacgttcc tgcattgctc gtctcaaacg 60  
ctaaccatgg ccggcggagg tttcaccagc ggccggcggcg ccggagattt cgaggccaaa 120  
atcactccca tgcctcatcat ttcattgtatc atggctgccca ccggaggtct catgttcggc 180  
tacgacgtcg gcgtttcagg tgggtgtgacg tctatgcccc cgttcttgaa gaagtttttt 240  
ccg 243

<210> 180

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700956705H1

<400> 180

ccggaggtgt aaatgtggtt gccactcttg ttccatctt gactgtggac aaggttgga 60  
gaaaagtttt attccttgaa ggtggtgttc aaatgttgat ttgccagatt gctactggag 120  
tcatgattgc tatgaagttc ggggtgagtg gcgaaggctc gttttcctcc ggagaagcca 180  
accttatttt gttctttata tgtgcatttg ttgctgcatt tgcattggtct tgggggtccac 240  
tagggtggtt g 251

<210> 181

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700952292H1

<400> 181

ggattcttct tcttcacgtg gtacttcttg aacgtgattt tcaacatcct taacaagaag 60  
atctacaatt acttccccta tccatacttc gtatcgggta tccatttatt cgtgggtgtg 120  
gcgtactgtt tgggtgagctg ggccgtggga ctctctaaac gtgctcctat agactccaac 180  
ctactgaagt tgctcattcc ggtgggtgtg tgccatgcat taggccacgt gaccagcaat 240

gt

242

<210> 182  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700964094H1

<400> 182

gttggcagtc gcagctacag cagtactctc aaatgggttg gatctatctt tcttgcccag 60  
cgatttcctc tttggcattg cttcttctc ttaccagtat gaaggagctt acaagagtga 120  
cggcaaagga ctgagcaact gggataacta cactcacgga ccaggtagaa gtgtaataat 180  
ggatggaagc aatgggggata tcgcgattga tcattatcat cgctacctgg aggatataga 240  
tttaatggaa actttgggag t 261

<210> 183  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956022H1

<400> 183

gcacacaaag taatggacaa aaaaccatgc aactcatcat ctcgatgcc tgaagtgaga 60  
aagggaccat ggaccatgga agaagacttg atcttgataa actatattgc aaatcacggt 120  
gaaggtgttt ggaactcctt agccaaagct tctggtctca aacgaacggg aaagagttgt 180  
cgactccgtt ggctaaacta ccttcgtcct gatgtagaa gaggaaacat tacacccgag 240  
gaacagcttt tga 253

<210> 184  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955479H1

<400> 184

ctttattctc tcacacaaaa taatggacaa gaagcttggc aacacgtctc atgatcctga 60

agtgagaaag gggccatgga caatggaaga agacttaatc ttgatcacct atattgccaa 120  
 tcacggggaa gggtttggaa ctctttggcc aaggctgctg gacttaaacg taccggaaag 180  
 agttgccggc tccggtggct aaactacctc cgtcctgatg ttagaagagg gaatattaca 240  
 cccgaggaac agcttttgat c 261

<210> 185  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952210H1

<400> 185

gttctttccc ttggtgacaa accaagacta acacacacag aacatagctt gtgttggtga 60  
 ggtgagaaga taaagaaaga atggcatttg caggaacaac acagaagtgt atggcctgtg 120  
 acaaaaccgt ttatctgggt gataagttga ccgcgataa ccgagttttc cacaaagctt 180  
 gcttcagatg ccattactgc aaaggaaccc tcaagctgag caactacaac tcttttgagg 240  
 gagttcttta ttgt 254

<210> 186  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700959049H1

<400> 186

actcactctc cttctctctc ctattgcggc tagggtttgg gtttttcact ttcagcctct 60  
 ccattccttc aaccttcttc ttctctttga tctctgatgg agacgttccg tgtttagtag 120  
 caagggttag ttgaggcctt gtgtttggaa acgtacggtg tcgttttgga gttgggaaaa 180  
 caaataattc tgagagatgg caaccacgaa cccttttgat ttgttggttg acgacgtga 240  
 ggacccttct cagctcatcg 260

<210> 187  
 <211> 247  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700905665H1

<400> 187

ctttgaagcc accctcttct aacttctcca tttcacaagg aagaagatca gagaacattt 60  
agaacaaaaa agagagtttg agaaatgggg aggggtaaga ttgagatcaa gaggatagag 120  
aactcaagca acaggcaagt tacatactca aagagaaaga atgggatcct aaagaaggcc 180  
aaggaaatca ctgttctatg tgatgctcaa gtttcgctta tcatctttgc tgcacttgga 240  
aagatgc 247

<210> 188

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700956070H1

<400> 188

gaagcattga aggacgtagc tgctatggct cgaggaaaga tccagatcaa gaggatagag 60  
aacaccacca accgccaggt cacttattct aaacgacgga atggcctttt caagaaggcc 120  
aacgagctca ccgttctatg cgatgccaaag gtttctatta ttatgttctc cagcactggg 180  
aaactccacg agtacatcag cccctccacc tcaacaaagc agttcttcga tcagtaccag 240  
atgactctag g 251

<210> 189

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700954715H1

<400> 189

gtgtgcattc ttgtttaact cctctttggt cctcagacat ccagaaggg aacaaaaaat 60  
aaaaaataaa aaaataaaca caatcaataa aggggagaaa acaaacatgt cattcacagg 120  
aactcttgat aaatgcacag catgtgacaa gactgtctat gtgggtgact tgttaactct 180  
tgaaggaatt ccttaccata aaaactgctt caagtgcagt cactgcaagg gatgtcttac 240  
gatgtgcaca tactcct 257

<210> 190  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955837H1  
  
 <400> 190  
  
 cgaactcatc atttctaatt gttctgatcc atatatatca tacttttcttt gtaataactt 60  
 aaagaacccc acaaaaacac caaccatgtc cacaattgca aagagagatt tgagttctaa 120  
 tgaagaagag agtgagctga gaagagggtcc ttggactctt gaagaagaca gcttactcat 180  
 acactatatt gctcgtcatg gtgaaggccg ttggaatatg ttagccaaaa gtgcaggatt 240  
 gaagagg 247

<210> 191  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700958205H1  
  
 <400> 191  
  
 ggctgcttta agctagggtt tcatgtgttt aagtgattgg ttgatataaa tactagtgtg 60  
 gtgtgtcttt gtgtaaaggg agaaaaacaa aagaaggtaa agcttgatga tatgaagctt 120  
 tcaacatcag ggttggggca gcaggggacat gaaggagggg agaagaagtg tctgaattct 180  
 gagctatggc atgcatgtgc gggggccctg gtgtccctac caactgcagg gactcgtgtg 240  
 gtttacttcc ctcagggtca 260

<210> 192  
 <211> 281  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700963673H1  
  
 <400> 192  
  
 ggaagactta ggccactga atatcaaaga acttgagcat cttgaacggc aattggattc 60  
 atctctaaag caagtgaggt ccacaaagggt aataatggat aatttatata taaaaaatgt 120

gttaagtttt tggcaaatta atatatactt aagcttatta atgtagttct tgatcagtag 180  
 ttgcagcagc ctagcgtaat ttctctattt gatttaagca tctttccggt tttccgtaca 240  
 atttgttttt gccaatacta tggccgatgc aacattagaa t 281

<210> 193  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954358H1

<400> 193

aaacacactg ctgaaaaccc tagctataaa tttctacacc caccgacggc agaaacccta 60  
 gtagtagttt tgaaagggaa ggaaagatgc agatattcgt gaaaacccta accgggaaga 120  
 caatcaccct tgaggtggag tcaagcgaca ccattgacaa tgtcaaagcc aagattcagg 180  
 acaaagaagg gattcctcgc gatcagcaga ggttgatctt cgccgggaaa cagctggagg 240  
 atggccgtac cctcgccgat ta 262

<210> 194  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700962820H1

<400> 194

gggaaggaaa gatgcagata ttcgtgaaaa ccctaaccgg gaagacaatc acccttgagg 60  
 tggagtcaag cgacaccatt gacaatgtca aagccaagat tcaggacaaa gaagggattc 120  
 ctccggatca gcagaggttg atcttcgccg ggaaacagct ggaggatggc cgtaccctcg 180  
 ccgattacaa catcaaaaaa gagtcaacat tgcattctgt tttgaggctt cgtggtggta 240  
 ttattgagcc atctttg 257

<210> 195  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700905635H1

<400> 195

agagaaaagc gcgctatata caagaacttg agcgcaaggt tcagactctt cagacggaag 60  
ccacaactct ttctgcccac ttgacattat accagaggga cacatctggc cttagtactg 120  
aaaatacaga gcttaagctc cgtctgcaag ccatggagca acaagcacag cttcgcgatg 180  
ctcttaatga agcattgaag aaggaagttg agagacttaa ggttgctacc ggtgagggga 240  
tgagccacac tg 252

<210> 196

<211> 260

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700960533H1

<400> 196

aaagtattgt gcagcaaagt acagagattg aaggggaagg agctgatgga aaagatcgng 60  
acttgtncaa aaaattgnaa ggaacttctg caaatacagg ttccaaagca ngagaaagnn 120  
gaaaggcagg ctcagggttca ggcaatgatg gcatatccgc aaagtgcngg aaagtgggtc 180  
anagggttca tcaaagtcta gtgatganaa tactaaccaa caggaatnag ctgcaaaaaa 240  
gaanggaant ttganctgat 260

<210> 197

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700907319H1

<400> 197

atgaagagac ttaacagctc agattcttcc actgccctca tgacaatttt tccatcatca 60  
tcaacagagg aacatagtcc gaggaacagc caccacatgt atggcaggga gttccgatcg 120  
atgttgagac gactcgacga ggaagggtgt gttgaagaac cggggcatca atctgagaag 180  
aagcgtcgac taagtgtgga acaagtgaag gctttggaga agaactttga ggttgaaaac 240  
aagcttgaac ctgagaggaa ggtcaagctt gccc 274

<210> 198  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700957315H1  
  
 <400> 198  
  
 gttccaaaac agaagggcaa ggtggaaatc aagcgcatag agcaagagta cagaaaactc 60  
 aaagatgaat atgacaattt agcatcaagg tttagagtccc taaagaaaga gaaggactct 120  
 ttgcaattag agttgcagaa gctaagtgat ttggtggtga catctcaaga tggtggaagg 180  
 gaagacaagg atggcaaaga aaacagcata gaagatggtg gctcaggcag tggatacagc 240  
 agttggaagc ctgaagcaa 259

<210> 199  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700960290H1  
  
 <400> 199  
  
 cgagctctta gggagctgct ttctactgct cctggtgttc ttcaatatct cagtgggtgc 60  
 atcctctttg aggaaaccct ctaccagagc acagctgcag gcaagccctt tgtgaatgtc 120  
 ttgaaggaag ctggtgtgct tcctggcatc aaggttgaca agggcacagt cgagcttgct 180  
 ggaactaatg gagaaaccac cactcagggt ctagatggcc ttggtcagcg ttgtgccaag 240  
 tactacgaag ctggtgcacg ttt 263

<210> 200  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700906271H1  
  
 <400> 200  
  
 aacagggaca attggcaagc gtttggccag catcagtgtg gagaatgttg aatccaacag 60  
 gtgtgctctt agggagctgc ttttcaccgc tcccgtgct cttaaataac tcagtgggtg 120  
 catcctcttt gaggaaactc tctaccagag cacagctgca ggcaagccct ttgtggaagt 180

cttgaaggag gctggtgtgc ttcttggcat caaggttgac aagggcacag ttgagcttgc 240  
 tggcactaat ggagaaac 258

<210> 201  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700958213H1  
 <400> 201

ctctttttct tctctctcaa caacttcacc ttcttctctcc tcgatcatgt ctcaacttcaa 60  
 gggcaagtac catgatgagc ttatcgccaa tgctgcgtac attggcactc ctggaaaggg 120  
 tattcttgct gctgatgagt caacagggac aattggcaag cgtttggcca gcatcagtgt 180  
 agagaacatt gaatccaaca ggcgagctct tagggagctg cttttcactg ctcttgggtgt 240  
 tcttcaatat ctcaagtgt 259

<210> 202  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700965253H1  
 <400> 202

tcaagtatta acccttttct ctctgaatac tctctactca atacattggc actcctggaa 60  
 aggggtattct tgctgctgat gagtcaacag ggacaattgg caagcgtttg gccagcatca 120  
 gtgtagagaa cattgaatcc aacagggcag ctcttaggga gctgcttttc actgctcctg 180  
 gtgttcttca atatctcagt ggtgtcatcc tctttgagga aaccctctac cagagcacag 240  
 ctgc 244

<210> 203  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953343H1  
 <400> 203

tacaaagggtt gctgtaggag ataagattgc agtagtgcta agtgctaaca cctgcagtga 60  
acaatggcct ctgcatcagc atctctgctc aagtcttcac ttgttcttga caagtctgag 120  
tgggtgaagg gacaaaccct tcgccaacct tctgcatcag ttgtgagatg caacccccacc 180  
accccatcag gcctcaccat cagagctggt tctatgctg agagctcggt aagaccgga 240  
aaacagtggc ttcaccaggg a 261

<210> 204  
<211> 234  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700956353H1

<400> 204

acaaagggtt ctgtaggaga taagattgca gtagtgctaa gtgctaacac ctgcagtga 60  
caatggcctc tgcacagca tctctgctca agtcttcact tgttcttgac aagtctgagt 120  
gggtgaaggg acaaaccctt cgccaacctt ctgcatcagt tgtgagatgc aacccccacca 180  
cccatcagg cctcaccatc agagctggtt cctatgctga tgagctcggt aaga 234

<210> 205  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953987H1

<400> 205

ccagtcacca cctctgaact ctctctctca tctataagtc aacatggctc atcatgaaga 60  
ttcaagtga tggaattcga gtaaacctca ccctaagctc aatgaaagaa ttctgtcttc 120  
tctgtcacgg agaactgttg ctgctcacc ctggcacgac ttagagattg ggccaggagc 180  
tccagcagtt ttcaactgtg tggttgaaat tggcaaagga agtaagggtta agtatgagct 240  
gg 242

<210> 206  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904972H1

<400> 206

caagtaccct gagtctgaca ttacttgga aaaatttgaa gagaaatc atttctcatg 60  
ccaatttact gctgatcttt ttgcaatgaa ccacacagac ttatcatca ccagcacctt 120  
ccaagagatt gctggaagca aggacactgt tggacagtat gagagtcaca ctgccttcac 180  
ccttcagga ctttaccgtg ttgttcacgg tattgatcca ttgatccaa agttcaacat 240  
tgtctctc 248

<210> 207

<211> 146

<212> DNA

<213> Glycine max

<223> Clone ID: 700764612H1

<400> 207

caactctcta tggatcttga gaggcagaat agggatggct acactttcat ggggaaccaa 60  
acaaacttca ttagtggttt tggacaatac cctatggagg aaattggtag gtttgatgct 120  
gagcaattca caccaagggt ttcagg 146

<210> 208

<211> 149

<212> DNA

<213> Glycine max

<223> Clone ID: 700764634H1

<400> 208

gataactaga aacagtgtga tgaaaatgaa ggtccttggt ttcttcgttg ctacaatttt 60  
ggtagcatgg caatgccatg cgtacgatat gttccctctc cgaatgaaca ctggctatgg 120  
tgcccgtact ccggaggtga aatgcgcaa 149

<210> 209

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 700764639H1



<400> 209

cgcagagtca cttttgttct cactactctc aatctcaaac ctgttttacc aaaaaatcta 60  
actgatgctc aataaaaaga actagaggca tggattgaaa atgactttga tcatgtgtaa 120  
gaactttatt taaaatgggt ta 142

<210> 210

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700902915H1

<400> 210

gagcttgatt atctagtgg ggctgtgtca aacccaaga gaccatttgc tgctattgtc 60  
ggtggatcga aggtgtcttc caagattgga gttattgaat ccttgttgga gaaagttaat 120  
gttctcttgc ttggtggagg aatgatcttt accttttaca aggctcaggg ttattcagtt 180  
gggtcatctc ttgtggagga agacaagctt agccttgcaa ctacacttct tgaaaaggcc 240  
aaggcta 247

<210> 211

<211> 51

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700902970H1

<400> 211

aacgcatcan aatgagtcng tnccagcgtc cnccacacng cancacgagg g 51

<210> 212

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700902978H1

<400> 212

gcggcggtgg cggcggaatt gtgatggagt ttccggccgg tgatgaggaa tcgttctcgt 60

cgccaacgag gttgccgaag aggctccggc gacggcttcg tgacgcggag tgcaagtctc 120  
 cgagcacggt ggaggaaatc gaagcgaaac tccacaacgc tgatcttcgc agacagaaat 180  
 actatgagaa actctcaaac aaggcacgtg ctaagccaag aagccccctca aggtgttc 238

<210> 213  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700902980H1  
 <400> 213

caccattcca gaacaagatg aatgggtata cagtgatgga aagtcgacaa cttgtgttgc 60  
 ctttatacctt tctatgtata aagaggctga agtttttggc cccattgcta attccattca 120  
 agtaaccgag ttcaccattc gcgatgcata catgctcaga attttcgagg acaaccaaac 180  
 acgcctacca agttggtgca acaatgagaa tgaccggatt ccattctgtc agattcttgg 240  
 tg 242

<210> 214  
 <211> 84  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903020H1  
 <400> 214

ttcttcagtt agtccccca acctatacac tncaccacca cacaacatat cgagnanagn 60  
 gtnagnaggc tngnggcggg gngc 84

<210> 215  
 <211> 226  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903078H1  
 <400> 215

ggtgnaagcg ccatgganct ctcangattn agcatctaca atgacctgct gattgaacta 60

angnagacga ntngcatnn antgcctnct aatagagcca ataagggatg gngcnnnncc 120  
tanactgaca gtgnnaacga cattatgggtg gtgtgggatg atccgtggca tgagngctgt 180  
gatgtggtan ccaagcattc agatacatnc ncangaatat tngaga 226

<210> 216  
<211> 99  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<223> Clone ID: 700903101H1  
<400> 216

ccaattgaac gggtggnatt aatagcaaaa ctattcctat gtcacaaaaa ccnaatncat 60  
tnttcccatt ncttactttg tccancanan nntaggagc 99

<210> 217  
<211> 61  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<223> Clone ID: 700903132H1  
<400> 217

actttttttt tcatcattca tcgcctttca ccacacaaca tacaattnc aaggnnnnnn 60  
g 61

<210> 218  
<211> 266  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700903166H1  
<400> 218

tgaggacaaa aatgaagatg actggattac aagatacttc tttactggag gaactatgcc 60  
ttcggcaaat ctacttcttt atttccaaga tgatgttact gtcaccaacc attggctagt 120  
aaatgggaaa cactacgcac agaccagtga agaatggctc aaaagaatgg accagagaat 180  
gactttcatc aagccaatta tgcaatcaac atacggcaag gactcagcta ccaagtggac 240

tgcttattgg agaacattct tcatag

266

<210> 219  
<211> 257  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700903186H1  
  
<400> 219

ggcttccagc tgtattcatg gacttggcgg agaagctttt ctttgcagca tttctcattc 60  
tttccgtggc cattgatgga atgcaggcag acactatggg cactggcact gtcttctgtg 120  
accaatgcaa agacggacag agatcccttt ttgattatcc tggttaatggg gcaaaagtaa 180  
ttctgtcctg tgctgacagt aatgggcaaa ttacaatgtc aagagaagaa acaacaaact 240  
ggtttgaag ctataca 257

<210> 220  
<211> 61  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700903204H1  
  
<400> 220

ctgnaggaga antcagcatc gntganaagt cntgaaccgt tgcagaanaa gctgancatg 60  
t 61

<210> 221  
<211> 260  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700903220H1  
  
<400> 221

atgggcatca gcagcaggag caggaaccgc aatcacctca ggagggacaa tgatctgttt 60  
atgttgtaat gggtcatggc ttgctctttg aggatgtttt aacggatctt tcagctggca 120  
agtaatcgtg tttgtaggag aagccttggc tggtttattt gctgcatttg tgcaggctct 180  
gaggaagatg gcttcatttt tataatttta tttagttttc tttttcctgg catattagga 240

tttttttagtg tgtaaacctt

260

<210> 222  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903222H1

<400> 222

ctgatgttgt catagcagac aagtttgctg ctgatgctaa cagcaagact gtgccggcat 60  
caagcatccc agatgggtgg atgggggttg atattggtcc tgattccatc aagacatttg 120  
gtgaagcatt ggatacgact cagaccatta tttggaatgg accaatgggt gtttttgagt 180  
ttgataattt tgccacagga acagaggcta tagccaagaa actggcagag ctgagtggga 240  
agggagtgac aaccatca 258

<210> 223  
<211> 193  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903224H1

<400> 223

cattcccatg cttttatggt gtagcaatgc ttctaaagat tatattaatt cacgagtaaa 60  
tctacatctt agtccttgat attaaagtgt catttatttt agaagctaag attttagaaa 120  
tcgtgtatta gttcctgaat ttttaaaaca ccaagtgaat gttaaacatt gtatgagtga 180  
ctttcgttct ttt 193

<210> 224  
<211> 85  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903247H1

<400> 224

tgcttggtga atgcagctgc tgttttgatg ctgacttgct ccaacacgaa aacttttttt 60  
taccaaccat cacattgctt acttt 85

<210> 225  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903274H1

<400> 225

cagaactaaa tgaaattctt gcccatgata ctgtggatga gggtaggtta tggaagaaga 60  
 aactcactga tcaatcattg aagctttttg actttttacc tcaagcaatt caagaacaat 120  
 tgatgcttga aagagatcca catggaaatg ttcaggttgc caagatagaa acagagaaaa 180  
 tgcttattca aatggttgaa actgagttgg agaagagaaa gcaagaaggc aaatacaaag 240  
 gcgaatttaa ag 252

<210> 226  
 <211> 202  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700903289H1

<400> 226

cgtaacgcct tgtcncttan cctcctcct cgtagcctcn gnnacnaccg ccgctatggc 60  
 gtggengctt tccgtangcc tattnnatnc tgatccgna gntggtggcc agangttggn 120  
 tanncgtag agtaggacaa ngctgcggaa cgccgagcac cactggcgac gagcgtcaag 180  
 tnnaagttcg gncaagtacc na 202

<210> 227  
 <211> 186  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903312H1

<400> 227

tgaacaccta cagtctgatt cacactgtcc agtttgtaag gaacgatttg aactgggatc 60  
 cgaggccagg aagatgccat gtaaccacgt ttaccactca gattgtatcg ttccatgggt 120

agttctgcat aactcgtgtc ctgtgtgccg tgttgagctg ccaccgaaag aacatactag 180  
 ttctcg 186

<210> 228  
 <211> 182  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903337H1  
 <400> 228

gcgactataa tgggtccccc tgatagccct tatgctgggg gtgtttttct agttactatt 60  
 cattttcctc cggattatcc attcaagcca cccaagggtg catttaggac taaagttttc 120  
 cacccaaata tcaacagcaa tggtagtatt tgtcttgata tcttaaagga gcagtggagc 180  
 cc 182

<210> 229  
 <211> 177  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903371H1  
 <400> 229

taattaattg tctaacatgt tttagagttt gtgttttaggt ggggaattgtt ttggttgagg 60  
 gggcttggtt gttgtgcaag agagaatcta agttctcctg ctgacaacag ggcgtccttt 120  
 gaatcatcgt gttagatttt taaagaatag ttagatgtag tactttgttg ttgtaag 177

<210> 230  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903406H1  
 <400> 230

gtagatcgct gtgagaaaca caacaaacgc tgccgcaacg caaccgtttc gaaagcactc 60  
 actgactcag tttgtttctc gtttcgtcga acccttgga ggcacaatgg gagggaggaa 120  
 gaagaagttc atcgacaaga agaactctgc tactttccaa ctcacgctc gcgacacctc 180





ttcaaaaatg gggaagatca tcagctgcat caacttctgt gtcaattggt gatgccataa 120  
 gatctttagt aactcctact cccgaggggtg attgggtttc ttctgggtgta tatagcaatg 180  
 gaaatcctta tggaatagct gaaggatttg ttttcagtat gccatgccga tcaaaggggtg 240  
 atggtgatta tgaacttgtc 260

<210> 234  
 <211> 258  
 <212> DNA  
 <213> Glycine max.

<223> Clone ID: 700903423H1

<400> 234

gcttgagatg ctcttggagg cttactttgt gcagattgat ggcaccttga acaagctctc 60  
 tacgctgagg gaggacgttg atgacacaga ggattacatc aacatcatgc tggatgacaa 120  
 acagaacatc ctctccaaa tgggagtcac gttgaccaca gcaactctgg tagtgagtgc 180  
 ctttggttgt gtggccggta tttttggcat gaatattcac attgagctat ttgatgacca 240  
 gaaagctggg atgacaca 258

<210> 235  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903424H1

<400> 235

caaaacttgc tatagcagta agctataact catttgaggc tctgtgagaa ttgagaaatg 60  
 gctaaagatg ttgaggttca agagcaagga ggagagtact ctgccaaaga ctaccatgac 120  
 cctcctccag cacctttgtt cgaccagag gagctcacac agtggtcctt ctatagagcc 180  
 ctcatcgctg agttcatagc aacccttctc ttcttttatg tcactgtgct caccattatt 240  
 ggctacaaaa ggcagact 258

<210> 236  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903438H1

<400> 236

gtccgactta cagctgtgga tatgattaca tactcaggtg cagacagtgg ggagaagcca 60  
tttttattgc ggtcagccga agagcttgaa ccttttcttg acaagattac tgacgaaatg 120  
ttgaaagtta ctttacggga aggagttgga tacttgcatg agggattgaa cagtcttgat 180  
catgacattg tgactcagct atttgaagct ggctggatac aagtctgtgt tttaaacagt 240  
tccatgtgtt gggga 255

<210> 237

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700903442H1

<400> 237

cttcagagaa gaaactatcg aacccaatga gggaaataaa ggtgcagaaa ctgcctctca 60  
atatctccgt tggtagagagt ggagatcgtc tcaccagagc cgccaagggtg ttggaacagc 120  
ttagtggcca aaccccgatg ttttccaaag caaggtacac tggtcgggtcc tttgggatta 180  
gaagaaatga gaagattgca tgttatgtca ctgttagagg tgataaggct atgcaacttt 240  
tggagagtgg ttta 254

<210> 238

<211> 260

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903463H1

<400> 238

aagaaacaca aaagatagan nganaataaa gagaaggaga aggggagaag agaganaggt 60  
tgtattgaga gatatgnngg aggggtaaga ttgagatcaa aaggnttgag aactcaagca 120  
acaggcaagt tacctactca aagaggaaga atgggatcct taagaaggca aaggaaatta 180  
gtgttctatg tgatgctcaa gtttccctta tcatctttgg tgtctctggg aagatgcatg 240  
agtacntcag cccctccact 260

<210> 239  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903486H1

<400> 239

cttcagcagt tattatcagt tgcagagaag tttaaaagga gtccatacag ttacgtctgg 60  
gtagctgcag ggaagcagcc agatcttgag aagaatgtgg gtgttgaggagg gtatgggttat 120  
ccagcttttag tggcccttaa ccttaagaaa gctgtttatg ctccctctcaa gagtgctttt 180  
gaacttgacc aaattataga atttgtgaaa gaagctggac gtggaggcaa agggaatttg 240  
cccattgaa 249

<210> 240  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903509H1

<400> 240

agaaactcca ttcaattcca aatggagaaa tgctcaatca gaaagctttc acaagtgaga 60  
tccaagcttt gacagaaatc cgacatcgta acattgtaaa gttacatggg ttttgttcac 120  
attcacaata ctcatTTTgg tgtgtgagtt tctggagatg ggcgacgtca agaagatttt 180  
gaaggatgat gaacaagcaa ttgcgtttga ttggaataaa aggggtggatg ttgttaaggg 240  
tgtagcaaat gctttatgct a 261

<210> 241  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903515H1

<400> 241

gatgaatgcc agaggaagta tgggaatgct aatgcttggc gatattgtac agatgttttt 60  
gactatctta ctctttctgc aattatagat ggaactgtgc tttgtgttca tgggtggcctt 120

tctccagaca ttcgatcata gatcagataa gggtcattga gaggaactgt gaaattcctc 180  
atgagggacc attttgtgat ctgatgtgga gtgatcctga agatatcgaa acatgggcag 240  
tcagtcctcg tggagctggg t 261

<210> 242  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903519H1

<400> 242

taaaaatgaa aggggttaaaa gggagacaag acaagtttgg ggggaaaaag aagtcgtaaa 60  
tttttgtata acacatcagg atcaggtttg catttaattc gatttaattt atttcttatt 120  
tagtgcagag accaaatgaa ttaatcttgt aaattattta gtgctagagt gaagttgaga 180  
cttttgaatg acacatgttg agtactttgt ttttgtctct agtatcttct actcgagttg 240  
agctcataca cagaagaact 260

<210> 243  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903533H1

<400> 243

caacacacag acccactgga cgcttctcta atggcctaaa catccctgac ttaattagtt 60  
tggagcttgg cttagagcct acactaccct atttgagccc gctactagtt ggagagaagc 120  
tcttaattgg tgccaatttg cctccgctgg aattggcatt ctcaatgata ctggaattca 180  
atttttgaac attatccaca ttcagaagca actgaagcta ttccacgagt atcaggaaaag 240  
gttaagttaa cacattgggtg cg 262

<210> 244  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903534H1

<400> 244

aagaattgat gctcaaaatg gaactcatct tccaactttg aaaggcaatg gtagagtcct 60  
cagcttttga ttagatgcac atgcacctat ttgtgattcc atggcatctc tcatgaatct 120  
tggagagaaa aaggccttaa tggcacaaga aatgggtttc atcatggctt tgaggatcaa 180  
agactccccg ttccttgcaa aagtggggaa aatgggtgat actcttcaac tacatcctcc 240  
attacaattt caagtcctcaa 260

<210> 245

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700903557H1

<400> 245

aaaaaaccca aaaaacaaaa aataccataa aatttttcag cttctccgcc gccgtacagc 60  
caccacctcc gttcggatct ccggcggacc tactatccct actactctat ttacacggaa 120  
gaacaaaaaa atatcccaca aaaaaaattc caaaagcggg tcgggttaggg tttagttttt 180  
ttttatatta tttcgtgtat ctaatttttc atcagtaata ttatttttga ggcggcgaga 240  
tggcgcagat tcag 254

<210> 246

<211> 251

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700903571H1

<400> 246

cttttctctc tctgaactct gaagcnaaac aacattacca gagtggttct agtaattcag 60  
tgctgctaga agatggaaac tagtgaatgg catatcgagc gaagatctag cttcggctct 120  
gaatccccct agcaagagag gcaggaaatg tgcctgaaac tgggtcactc tctattgtgg 180  
tgcttggtgc ttctggtgat cttgctaaga agaagacatt tcttgcaatt ttccacctat 240  
acctgngnta c 251

<210> 247  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700903584H1  
  
 <400> 247  
  
 catcaagcaa acgataagaa atgttatcag aaacattggc catccctgca gtactccttg 60  
 taatactcat tttgattcta tcctctgtct tgttccatct tcaagatgaa agaacaaatc 120  
 caccaggcct aaaccctcc caattattgg taaccttcac atgctgggga aactcccaca 180  
 tcgttcctt caagcccttg ccaaaaatta tggaccata atgttcataa agttgggaca 240  
 agtcccaacc 250

<210> 248  
 <211> 215  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700903607H1  
  
 <400> 248  
  
 attgaaggtc caagcaccat gtttggctct gtcttgagtt atattactct gagattgcta 60  
 ggtgaggggc ctaatgatgg acaaggggaa atggagaagg cacgtgactg gattctaggg 120  
 catggtggtg ctacttatat aacgtcatgg gggaagatgt ggctttcagt acttggagtg 180  
 tatgaatggt ctggaaataa tcccctgccc cctga 215

<210> 249  
 <211> 223  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700903609H1  
  
 <400> 249  
  
 cgctattctc ttcattccat ggctttgccc aaccagcaaa ccgtggatta ccctagtttc 60  
 aaactcgta tcgtcggcga tgggtggcaca ggaaagacaa cctttgtgaa aaggcatctc 120  
 accggagaat tcgagaagaa atatgagcca accatcgggtg tggaggttca cccattggat 180

tttttcacaa actgtggaag gattcgattt tactgctggg ata

223

<210> 250  
<211> 230  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903617H1

<400> 250

caaacacaaa cttccttatt ttcttccaaa ttcaccacc cagaaagcac aaaagctaca 60  
cacatatcca atcttttctt ttcttctatt tcgtccacca gattcatata caattcacgt 120  
atacgtacaa ttattaaaag gaagagatgg caggagaatc atacgaggaa gccatcacga 180  
gtctgaccaa gcttctcagt gagaaagctg agctcgggtg cgttgccgcc 230

<210> 251  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903679H1

<400> 251

gtggagatct agtgctgcc aacctcgtg aaaattaggg ttctgtttcg gaggtagacg 60  
aagatgttcg gaagggcacc gaagaaaagc gacagcacca ggtactacga aatcctcggc 120  
gtttcgaaga acgcttcgcc ggatgattta aagaaggctt acaagaaagc cgccattaag 180  
aaccaccctg acaaaggcgg tgatcctgag aagttcaaag agcttgctca agcctatg 238

<210> 252  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700903706H1

<400> 252

cattgatatt gctgaggatg gatttttgag tctgcttact gaaaatggta aactaagga 60  
tgacctcaag cttccactg atgagagtct gtcactcag ataaaggatg gatttgctga 120  
gggcaaggat cttgttgtgt ctgtcatgtc tgctatgggt gaggaacaga tttgtgccct 180

caaggatatt gggccaaaga actagctttt ggtgcttggt gcttggtatt tctattttct 240  
 atttaagca 249

<210> 253  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903723H1

<400> 253

aagaagttgc caatgactct actaatgatg atatggagaa tatgctctcg gaaacttttg 60  
 atctaggcat ggaagaagac ttcaatgttc tagaaaacga gtttgagcag ttggtgatgt 120  
 tctctgaagc tctagatcat tctgttcagg atgacctaata tactggaaaa gggctctctc 180  
 agagtcttaa caaggatggt aaagcttttc ttattaactt gacaccaaaa tcaccgaggg 240  
 aaagggg 247

<210> 254  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903752H1

<400> 254

gcagaagggtg aattaactga agaatcaaata ctcaagccag attttaatcc tgcaacaagc 60  
 acttcttggtt ccgagacaac gatgatggac acggagtctg ataacgataa ctcttcacct 120  
 agggttactg atcacgtttc tagtgggagc tcggaacagc taaagcagag caacgtttcc 180  
 attcttcatt tcttcaaagt taaggatacc ggacaggccg gtgtgtcttc ttccgaagag 240  
 gcaa 244

<210> 255  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903768H1

<400> 255



ttccaatata ttccattctc tctgtgtatt tccctacctc tcccttcaag atgcagatct 60  
 tcgtcaagac cctcaccggc aagaccatca cccttgaggt ggaaagctct gacaccatcg 120  
 acaacgtcaa ggccaagatc caggacaagg aaggaatccc cccggaccag caacgtctca 180  
 ttttcgccgg aaagcaactt gaggacggcc gtacccttgc tgactacaac attcagaagg 240  
 ag 242

<210> 256  
 <211> 86  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700903770H1

<400> 256  
 cccaattatg tttctcctn gtctctctgc cacacaacan acnagtanan agntcgnngt 60  
 ggctgcgtgc angacggtgg nactgg 86

<210> 257  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903774H1

<400> 257  
 ggaagggaag ctatagcaca ctcagaaaat cgatgagtcc catgaccatg atcacgacca 60  
 cgaccacgat gtttcttttag acatgtcaag gttcgatacc tgctaagggt gcctagattt 120  
 ctgtgaagat tctcgcatat acgtgcttac cttcatatt atgttaacaa ttggtcagt 180  
 attccctgtg gctaccagtg tgagatttgt cttgtgagtt gagtttcgac cactgattt 239

<210> 258  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903855H1

<400> 258  
 gtgccgcaac cgcgcctccg ttgtgttact gttaccactc cacgaacgta gcttttgata 60

agtggaata gtaatactcc ctttttggtt gtttcgcctt caattgtgaa tcacaaacat 120  
 agggatattg tatttggtgc aaaatgcgtt aatttcgtct tcaattaaac taaacgcgag 180  
 ggtggatttt ttctgtgctc ttggaacttt ttatttattt tgtgcctcta gacttaatat 240  
 tgtatattta ttt 253

<210> 259  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903875H1  
 <400> 259

gagagataaa gctgtggaat cactatgtag gattggattg caaatgaggg agagtgattt 60  
 ggttgagtat ttcattccctt tagtgaagag attggcatca ggtgaatggg tcaactgctcg 120  
 agtcgtcttc atgtggacta tttcatattg cttaccctag cgcacctgaa atgtcaaaga 180  
 tagaattgag atcaatgtac agtctgttat gtcaagatga catgccaatg gttagaagat 240  
 ctgctgcttc 250

<210> 260  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700903915H1  
 <400> 260

cttgatcctt ctttttctcc ttgaactcaa acatggcaga tgaggtgggt ctgctagatt 60  
 tctggccaag tccatttggg atgaggggtca ggattgcact tgctgaaaag ggtatcaaatt 120  
 atgagtacaa agaagaggac ttgaggaaca agagtcctct tctcctccaa atgaaccggg 180  
 ttcacaagaa gattccgggt ctcattccaca atggcaaacc catttgtgaa tccttcattg 240  
 ctgttcagta ca 252

<210> 261  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700903931H1

<400> 261

tcccaaactg ctctatcatc gtagaaagtg attttcatag tcatagatca ttttctgcac 60  
atctctgcag gatgaagttg atcctgcaag cttattagac atacctaggc tttgctaagt 120  
taatgctggt atggcttttg aaaatgggtc caaaaaggag cttcagaaag ttggtctaaa 180  
aatctccaag agcttttctc ttactaggac tactctggca tctatggagt ctttgtccct 240  
gccagtgggt ca 252

<210> 262

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700903946H1

<400> 262

ctttagcaaa gtatgttaaa gctgtatatc atactcgagt ttcagttggt atgcgcttca 60  
ggatgctggt tgaaacagag gaatctagtg tgcgtcgata catgggcaca ataactggca 120  
ttagtgaact ggattctatt cgggtggccaa attcccattg gcgctcagtc aagggtgggt 180  
gggatgaatc cacagcagga gagaggcaac ctcgagtgtc tttatgggaa attgagccat 240  
taac 244

<210> 263

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700903985H1

<400> 263

cacacatagc agggatatgt cagctaagtg ggaaccaa atcccttcag 60  
aaattgggaa catggtgaac ttcagcatgt tgcattttgg ggataacaag ttcactggga 120  
aattccctcc agagatggta ggtttgccac ttgtagtctt gaacatgacc agaaacaatt 180  
tttctgggtga acttccaagt gatattggca acatgaagt tctacaggat ctggat 236

<210> 264  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700904019H1  
  
 <400> 264  
  
 gataaagcat tccatagcct ccataaaaa tgaagaatac tatcttctct gctctctttc 60  
 tactttgtgc cttcaccacc tcatacctac cttcaaccac cgcggtgggc gataccgacg 120  
 gtgatattct tcagaatcct ggacataact ttatcttgtc cgtttttcga cccggcgggc 180  
 gagtagaatt cgcgcgcact ggaaacgaaa cttgccctct cactgtcgtg cagactctct 240  
 tcggggagggg cttt 254

<210> 265  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700904159H1  
  
 <400> 265  
  
 gctgtggaaa cactcattgt atgggaaaat ttggatatta ataggtatgt gctgaaaaat 60  
 ggtactacta gtgagattat cataaaacac ttgaacaagg aacaagatgc tgatcaaagc 120  
 aacttccgtg attcagccac ctctgcagag ttggaagttc aggagaagat gcccttgctt 180  
 gagtggtttg ccaatgagta caaaaaattt ggatgctcct tggaatttgt gaccaacaaa 240  
 tctcaaga 248

<210> 266  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700904162H1  
  
 <400> 266  
  
 gtcgtgagag cgcacaaacc agtacagtgt ttctccctcc aactttgaca ttaatttttg 60  
 gagctgatgt gactcatcca catcctggag aggattcaag tccatcaatt gcagcagttg 120  
 tggcttcgca agactatcct gaaattacaa agtatgctgg tttagtttgt gcccaagctc 180

ataggcagga actcatccag gatcttttca aacaatggca agatccagtc agaggaacag 240  
tgactggtgg 250

<210> 267  
<211> 146  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700904183H1  
  
<400> 267

gagatagcgt ctcttnatct agaccgggtc gtantctaan gtagtccgta gaattgngcg 60  
cgcngttgca ccttanaatt gcgttgaggc ggaaattgac agtntccgct aatcncntct 120  
tgtctcnacg ttgtnttcac tncagg 146

<210> 268  
<211> 245  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700904190H1  
  
<400> 268

tttcattcca actgcaaaac aacaactcaa ttaagaaatt cttctccgga gccatggcag 60  
atctcaagtc tacattcttg aacgtctatt ccgttctcaa atctgaactc ctccacgacc 120  
ccgccttcga gttctccgat gatgctcgcc attgggtcga ccggatgcta gactacaatg 180  
tgcttgagg aaagttgaac cggggactgt cagtcattga cagctacaga ttgttgaaag 240  
aagga 245

<210> 269  
<211> 272  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700904208H1  
  
<400> 269

ttcctcttgg ctcccttaaa ctctctttct ctctttgtgt gtctctttct ctatttctga 60

gtctcagtgt taggggggtt attcattatt cataataact tggctttata gcattttccc 120  
 ttttgatata aaatgggaag gcaaccttgt tgtgacaaag ttgggttgaa gaaggggcca 180  
 tggactgcag aggaggataa gaagctcata agcttcatcc tcactaatgg ccaatgttgc 240  
 tggagagctg tccctaagct agcagggctt tt 272

<210> 270  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904217H1

<400> 270

gccaaatata tgcaatctcc aaggatcttg ctacttatat atccatcaat tggcccatat 60  
 tacacagata cgcaaataa gacgtatctt taggttcatg gttattgggc ctagaagttg 120  
 aacatgtcga tgaacgctct atgtgttgcg ggacccctcc agattgtgat tggaaggcaa 180  
 ggacaggaaa tgtgtgctg gcaccttttg attggctcgtg cagtggatc tgtaagtcgg 240  
 tggagagaat gagagatata cacaaaactt gtgggga 277

<210> 271  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904219H1

<400> 271

gaagcgtgag atatatgac agtatggtga agatgcgctt aaggaaggaa tgggtggtgg 60  
 cgggtggccat gatccatttg atatcttttc atctttcttt ggcggtggga gtccctttgg 120  
 atcaggtgga agtagtcgag gtaggaggca gaggcgcgga gaagacgtgg ttcaccctct 180  
 caaggtctct ttggaggacc tttatcttgg aacttccaag aagctctccc tctccagaaa 240  
 tgttatatgc tccaagtgc gtggcaaggg tt 272

<210> 272  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904223H1

<400> 272

gacgctccaa gggtgacaca tggttactgt tcgtgggtcc tgatagaatt ggcaagaaga 60  
aaatggcagc agctctttct gagctggtat ctgggtccac caaccaata ataatacctc 120  
tggcgcaacg ccgtgcggat ggagactctg atgcccctca tctgctgga aaaacagcac 180  
ttgatcgaat agcagaggcc atcagaagga acccactttc tgtcatcgtg cttgaggaca 240  
ttgatgaagc caacattctt cttcgtggga 270

<210> 273

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700904230H1

<400> 273

ggtccaatct caattactgt tccagattct gactttcatg actttgacaa agataggta 60  
gaggaatgct tcaggccaaa gcaaatatgg gccttgatg atgaggaaga tggaatgcca 120  
cggttgatg gtatgatccg tgaggttggtg tctgtcaatc catttaagat tcacatcagt 180  
tacttgagtt ccaaaactga tagtgagttt ggctcagtaa actggcttga ttcaggtttt 240  
accaaactct gtggaaattt cagggtttt aatt 274

<210> 274

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700904236H1

<400> 274

gtgagttctt caaggatgca ctgaataaag ttctgccata tatggactac gtttttggtg 60  
atgagactga agcaagaaca ttttctaaag ctcaaggctg ggagactgat aatgttgagg 120  
aaatagcttt gaagatttct cagttgccaa aggcacgga aacacataaa aggattacgg 180  
ttatcaccca aggtgcagat cctgtttgctg ttgccgagga tggaaaagtg aaaatttacc 240  
ccgtgatacc gttacctaaa gagaaatt 268

<210> 275  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904238H1

<400> 275

gacgccgatg gcgccttcag cggctccgtc gtcgtcgggt tcggagtaca cacagaagaa 60  
gatctacgtg agcaacgtcg gtgcggacct ggatccgcag aagcttctcg cgtttttttc 120  
acggttcggg gagattgagg aagggccggt ggggcttgac aaggccaccg gaaaacctaa 180  
ggggttctgt ttgtttgttt acaggaatcc ggagagtgcg aggagagcgt tggaagagcc 240  
tcataaggat ttcgaagggc acatttt 267

<210> 276  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904252H1

<400> 276

gaatccgtga ctcgtaacc ctctagtcct ctggggtcgg caataagaga taaatgtggc 60  
aaagcttcac actataaatc acaagattca atgtccacac ctgagaagtc tccaattcaa 120  
tctgtatctc aagaagcaag gagtgagacc agcagtgaag gtcgaagtcc tcatgagagc 180  
cctatgaaac aaagaagaga taagttgtcc aatgaaataa acacgaatcc tctgaagaaa 240  
caaagaaccc aaagacctag ccgtga 266

<210> 277  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904254H1

<400> 277

gcgacgtct ctacacgtg aaacggagcc tctcggaccc tgacaacgtc ctccagagct 60  
gggatccac tctcgtagt ccctgtactt gggtccacgt cacctgcaac caggacaacc 120



gagtcactcg agtggatctt ggtaactcta acctatctgg acatttggtta cctgaacttg 180  
 ggaagctgga gcatctacag tatcttgagt tgtacaaaaa caacattcaa ggaactattc 240  
 ctccggaact tggaagcctg aagag 265

<210> 278  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904262H1

<400> 278

gtcggacgaa gagcaccatt tcgagtccaa ggcagacgcc ggtgcctcca aaacctaccc 60  
 tcagcaagcc ggtaccattc gcaagaacgg ctacatcgtc atcaaaggac gccctgcaa 120  
 ggttggtgaa gtttcgactt ccaaaactgg aaagcacggt cagccaagt gccactttgt 180  
 tggaattgat attttctactg ccaagaaact tgaggatatt gtgccctctt ctcaactg 240  
 tgatgttcct catgtgaatc gtactgatta 270

<210> 279  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904264H1

<400> 279

tgaaacttga aacttgaaaa gcggcgtttg ctccgaccga gtgcttcaga ggagaagtaa 60  
 tgactgcgat cgcggaacg cacgtttttg gtgttgtag ttttcagctc aaacaagctg 120  
 aaatgccttt tgcattgttct tgcttaatcc gcaagcgatc tggagattct cctcagcgca 180  
 atgtggctct aagacgcaga gtaaatggaa caattcttcc ccaaatacaga gcccagaatc 240  
 ttccagatta tgttccaaaa tccgagttt 269

<210> 280  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904269H1

<400> 280  
 gtcacotca aaatttatga ttatatcttc tttctctact tcgtcactac ctctttctca 60  
 tgagagagta tgttactgcg caaagaacaa caaactaatt aggtactgac catttccgtc 120  
 tatatataag gccataacc caacacgttc tataaacata tagtgactaa cctccactg 180  
 aagagtaatt ggtggattcc agcaatggcc gtggttcatg gcagttgggt caagcttgat 240  
 caaagaggag aagggcaagg agcg 264

<210> 281  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700904279H1

<400> 281  
 ctcccatcag aggacaaagc ttccgacttt gcgggattcg ttcgtatttg tttcagtgtc 60  
 gtgatgggga aggtcgcggt gggagctgcc gttgtctgcg ccgccgccgt atgcgctgcg 120  
 gcggcgctgg tggtgcgcca ccgcatgatt agttcccga agtggagtcg cgccatggcg 180  
 atactgaagg agtttgagga gaagtgtggc accccaattg tgaagctaag acaagcggct 240  
 gangccatgg atgtnagatn cacgcg 266

<210> 282  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904304H1

<400> 282  
 ttttgcttac catgcctcct actgcatgca tgttccagat gcatgttttt gtcagtgaat 60  
 gcagattttc acgaggcggt tttcttgtgt cttgaaaaac tgtgtctgtg actgagtttt 120  
 tctttggtag gtttcttcac ttcaccgttc ccacttgcac tattattatt caaagacccc 180  
 agtagcagca tttgcatttc cctcacgctg cacccaatgg gcagagccat aaggtggttg 240  
 aaggggttgt ttgggata 258

<210> 283  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904320H1

<400> 283

gttacaccct ccccttgga gacaaagga actgggtttt acattctcat ttccagtga 60  
gcaaaccatcc atagcatctg ggactctaataa aaagtggact aaagggtttca atattgagga 120  
tgcggttgga gaagatgtgg tgggtggact aaccaagtcc ttagaaaaaa ttggtctgga 180  
tatgcgtgtt gcagctctag ttaatgacac agttggaact gtggctagag ctagattcag 240  
caatcaggat gtca 254

<210> 284  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904321H1

<400> 284

cacattttga taattatttt tctagttgat aagccatggc tactcgagga aagcttgagg 60  
ttgacgttga tctcaagtct aacgcagaca agtactggca aacccttagg aactccactg 120  
aaatattccc caaggccttc cccaatgatt acaaaagcat tgagggttctt gaggggtgatg 180  
gcaaatacacc tgggttctatc cgccacataa gttatgggtga aggttcacca cttgtgaagt 240  
catcctttga gaaca 255

<210> 285  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904337H1

<400> 285

gttccttcca ttcctttctt ccgcatcaca gggaaaataa aaaacaatgg agttggactt 60  
gacaccaaag acagcagaag tggtgtttga gggagatggg ggagggttact acacttgggtg 120  
gagttctaaa gtgccactgc tggccaagac caatgttggt gctggtcggt tagtgcttca 180

gcctcagggc ttgctattc ctcattattc agatatatcc aaagtaggtt atgtgcttca 240  
agggaacgat g 251

<210> 286  
<211> 250  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700904355H1  
  
<400> 286

ggcgccaaaa aggggtggatt cattgtctcc agccatctcc aaggggaatc ggtgcaggac 60  
tggagagaaa tagtgacata cttttcgtac ccaaaaagag agaggggacta ttcaagggtg 120  
ccagacacgc cagaaggggtg gagatcggtg actgaggaat acagcgacaa agtaatgggt 180  
ctagcttgca agctcatgga ggtgtgtcc gaagcaatgg ggtagagaa agaggggtta 240  
agcaaagcat 250

<210> 287  
<211> 242  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700904365H1  
  
<400> 287

tggagactct ctgctctgca ttggtgttcc catctttcag aatcacaact tcagctttct 60  
ccaaatgtgg catcagggct tccattgccg ttgagcaaca aacttcgcag actaagggtg 120  
ctctcctcaa aattggtacc agaggaagtt ccactagctc tggctcaggc atatgagacc 180  
agagacaagc tcatggcatc acatccagag ctagcggaag aaggggctat tcagattgtg 240  
at 242

<210> 288  
<211> 247  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700904367H1  
  
<400> 288

aacggagcca aacagagtat tgctcaggca gtgcttgcag tttcctcccc tggagatgag 60  
 gttattattc cagctccatt ctgggttagt taccagaaa tggcaagggt ggctgatgca 120  
 acacctgtga ttcttccaac cttaatatct gataatttcc ttttggatcc caaactcctc 180  
 gaatccaaaa ttactgaaag atcaagactg cttattcttt gttctccatc taaccaacg 240  
 ggatctg 247

<210> 289  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904369H1

<400> 289

cgcaactgaa aaggaaaacc ctaagagatg aagagaactc ctatcttggt ccctctcttc 60  
 tttcttcttt gtgccttcac ctcatatcta ccttcagcca ccgctgatga tgatcatgtg 120  
 tacgacactg acggcgataa gtttcaatac ggtgtcaatt atttcgtgtt gccagtata 180  
 agaggaaatg gcggtggaat acaagtagca aaagcaggaa acgaaacttg ccctctgact 240  
 gtggt 245

<210> 290  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904376H1

<400> 290

gaatggtggc atcgatccaa accaaaaatc agattcaa atcaatggatt gattattggt 60  
 tcatgatctg atcactttgt catatccata aagaaggag aaaaagaaag tttggaattt 120  
 gcagaagctt tgcaagtatt ttaagttgca atagctgtga gaaatgaacc actgtgcaag 180  
 atgttcaata taatacatc gtgtgttcta tcagagagct gcttttgatc ctgttctact 240  
 acggtagat 249

<210> 291  
 <211> 248

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700904377H1  
 <400> 291  
 cctaaaatgg ccactcttcc ctctacgac cacctcatct tcaactgcctt agctttcttc 60  
 ttatctggcc ttatcttctt cctcaaacac aaatccaaat ccaaattcaa aaaattcaac 120  
 ctccctccag gacccctgg atggcctatt gttggaaacc tcttccaagt tgctcgttcc 180  
 gggaaacctt tctttgaata cgtgaacgat gtgagactca aatatggctc aatcttcacc 240  
 ctcaagat 248

<210> 292  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700904378H1  
 <400> 292  
 gttggaaatc aacaaaactt atcaatctct cttctctctc gcggcacctc ttgttaaaaa 60  
 tttgttcttt tcaccgaaac ccgtaaaggg tcgtgagcta gcttcttctc gatccatggg 120  
 cctgggttttt cttcctcttg ttttcagctt ctatatgcaa aagggggggag accgaatgat 180  
 gcaaaatatt tataatgtag ttacctcact aaccacctaa gccatgaaaa caaccttctt 240  
 ctcgtttgg 249

<210> 293  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700904383H1  
 <400> 293  
 ctctctccta ctatctttta aatccttttg taccctcaac tccataagcc actagtacct 60  
 cacaatgccc attgtagcaa cctctcttct cttctttctt cttaatttat gcctcagagg 120  
 cacttatgct gactatggag gtggttggca aggtggatcat gccacatttt atgggtggagg 180  
 tgatgcctct ggcacaatgg gaggggcttg tggatatgga aatttgtaca gccaaagggt 240

tgg

243

<210> 294  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904384H1

<400> 294

actacactgg ctttttggtc tcgtgtcaat ttctaaatcc accaccacac cctctcttct 60  
attctctatt attattatct ccacaccctt cactctctct cactcttctc tcgaatcttc 120  
caccgcaatg gccaccgctg ccgagaaact ctccgctctc aaatccgccg tcgccggatt 180  
gaacgaaatc agtgagaatg agaagaacgg attcatcagc ctcgtcggcc gctatctcag 240  
tggg 244

<210> 295  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904385H1

<400> 295

agagtttgaa aggaagggat gaaccggttg acatggcggg aggaaattca ccacatgttc 60  
cgtatgcctc agagtcatat gtagatgcc ctgaaagata cccaattcct caagctgaac 120  
tacatgatat tgatgatcca gcagctttct cttctaatta ccaacacata tcagttgaag 180  
agaggaaaga gcattctgtg gttgctcgaa acagtctcga attgctctct agcatattga 240  
att 243

<210> 296  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904387H1

<400> 296

ctcgacctca gcaccgtttg tgtccgaacc aagacgcaca caggacggtg cgttcaccca 60

acctacctcg gtgggccccca ctttcccccc cgaaccgtag cttcggagtg atccttttcgc 120  
 cccctctat ataatagcgc cctcgcgact cacctcaacg cgtgagactc tcgctggtgg 180  
 ataacgaaat ttcttagaca aaaaacaagg atcagaaccg ttgaatcaag ttgaggaaga 240  
 tggca 245

<210> 297  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904394H1

<400> 297

ctttcctttt ttctcatttg ttctcttact ttgtctctc caaaaaccat tctctttctc 60  
 cgatctctcc gccatttcct acgaacctca gatggaggac tctgaaaaat ttgatgcagg 120  
 tagtgaccaa gggaatgcat tggtgactcc atattatacc ccatatccga agcacttggt 180  
 accgaaatct ggccttcaac ctgtcaatat agagttttct cctagctcag gcggtgataa 240  
 ctctgtgg 248

<210> 298  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904421H1

<400> 298

gtgagtttgt tgatcgagat aactagaaac agtgtgatga aaatgaaggt ccttgttttc 60  
 ttcgttgcta caattttggt agcatggcaa tgccatgcgt acgatatggt ccctctccga 120  
 atgaacactg gctatggtgc ccgtactccg gaggtgaaat gcgcaagttg gaggcttgct 180  
 gtggaagcac acaacatctt tggctttgag accattcctg aagagtgcgt tgaagcaaca 240  
 aaggaatata tccatg 256

<210> 299  
 <211> 255  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700904437H1

<400> 299

ctggattcag catatgtgtt atcttcaacc acgttgcagg agatgggaga acccttcac 60  
atttcacgaa gttttggggc tcagtttgca aggccaaagg ggatttgaat ttccttggt 120  
ctgtgcctct acccttatat gatagggaca tagtgaaaga ccccaaaggg ctcatgcacg 180  
tttacgtgca agagatgaga aattcagcgt tgcaaaataa gcatttcgga gggtttttac 240  
gtgggtgttta cgctg 255

<210> 300

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700904453H1

<400> 300

ccttcattct tctcctaaat cctaactcct cttcactttc agttctcagc atgggaagtt 60  
ctggaacaac cgactatgga gcatacacat accaaaacct tgagagggaa ctttactggc 120  
cctctgaaaa gctcagaatt tccatcactg gggctggtgg tttcattgcc tcacacattg 180  
ctcgccgcct caagaccgag ggacattaca tcattgcttc tgattggaag aagaatgagc 240  
acatgactga ggac 254

<210> 301

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700904458H1

<400> 301

ggatgatgaa gctgctcaca aattcgatga gcatgcacct tctttggcca agcaggttgc 60  
aagccaagtc acttgtttgg ttcaggaagt gacacacaaa gctgagaaag tagtgagtga 120  
agctcaatct ggagggggcac gagcagcagc aaattatgta gccactgagt ccaagcaaatt 180  
tgtgctcttt ggttcagtga aattgtggac tggctcctaac cactatccac cattccatgc 240  
agtggctgag atg 253

<210> 302  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904478H1

<400> 302

gatctatata tgcataaaca ctaataatag aagtctaact ataattttta ttatttggcc 60  
 aaatgaacat gaccaaagaa ttagctaaaa caatgccccca gctagattag attgggtata 120  
 tcctgtatta tataattcaa ttaaacagat ttattattca agagaaaatc agcatttctt 180  
 ctacagtact gagatttctt ccaagagtat tttatatata aatcaacatt ttgaagaagc 240  
 agctgcagca gaaagaaat 259

<210> 303  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904480H1

<400> 303

ccgaaatgga aaaagatgga aagagagtgg tgatcctagg aggtggcggt gcgggatccg 60  
 tcgtggcctatctctttaa ttccatgccc atgtcacact cgttgatccg aaggaatatt 120  
 ttgagattac atgggcaagt ttgaggtgta tggttgagcc atcttttgca gagagatcac 180  
 tgatcaatca cagagattac ttaaccaatg gcgacatcat tacgtccaat gccgtcaatg 240  
 ttacagaaac tgaagttttg a 261

<210> 304  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904531H1

<400> 304

ccggaagagg aagatttcta gtgacttcaa catgatgatg gatcagaaaa tatacacatg 60  
 tgagcatccc caatgccctt atagcgaagt tcgccttggt ttccatgata ggtctgctag 120

ggacaatcat caattgaatt gtgcatacag aaacagttct gcagattatg gtgggtgggcc 180  
 caatttccat gctactgagg ataagccagt catattcccc cagtcctttg ttcaacccaa 240  
 cactacaaca cagtctgcaa gt 262

<210> 305  
 <211> 167  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904537H1

<400> 305

caagaacaca gatccttctt ttcttcttat gtattattgc ttttttagtt tgaaaaatgt 60  
 attctttctc ttttgcttct tcacattctt cttttttgta taccagtaaa cactaaacga 120  
 gaacacatct tattattaat gcaattaagc ttatacacia ttgatct 167

<210> 306  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904547H1

<400> 306

caagcaatgc ttacagccct gtacaagatg ttgctgattc ctgccggact ggagctgcaa 60  
 ccaatgtcat ctttggcctt gctctgggat acaagtctgt cattattcct atttttgcca 120  
 tcgcaatcag catttttctg agttttactt ttgctgcaat gtatggcatt gctgtggctg 180  
 cccttgggat gctgagcacc attgcgacag ggttggctat tgatgcctat gggccaatca 240  
 gtgacaatgc aggaggtat 259

<210> 307  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700904551H1

<400> 307

tccggatttc gttttgcttt gttcaggtag ccagccagtc atggtgctct tcaatgtttc 60  
 acgcgtagag nccacnncct tacgatggnc ngaagcctgg aacctctggt ctccgcaaga 120  
 aggtganagt gttcgtgcaa cctcattacc tccataactt tgttcagtca acattcnng 180  
 cattnactgt ggataaagtt ngaggtgctn cgctagttgt ntctggtgat ggctgtnatt 240  
 ttcaaaggaa gctattcaga tt 262

<210> 308  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700904554H1  
 <400> 308

gcaatggacg cccacatcaa agaaggggac gtgttcttca ttccaaggta ctttgccttc 60  
 tgccaaatag catcaagggg tgaaccactt gagttctttg gcttcaccac ctccggtcaa 120  
 aagaacaggc cacaatttct ggttggtgcc acgtcactca tgaggaccat ggtggggccc 180  
 gagcttgccg ctgcatttgg tgtgagcgag gagaccatga atcgcggtggc tagggcacia 240  
 catgaagctg tgattcta 258

<210> 309  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700904560H1  
 <400> 309

aagaaagatc cgtaaattaa cattctctcc ctcccttcgc tataatagca agcttttcaa 60  
 gcatatttct gggggttggg cccttttctt tggttggggg tttcttggga aaaaagaagt 120  
 aattaggtat aataatagta taactaaagc aaaaaaaaaag acagtaatat ggnaaggggt 180  
 agggttcagc tgaagaggat agagaacaag atcaatcggc agtaactttc tccaaaagga 240  
 gagctggggt actcaa 257

<210> 310  
 <211> 261

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700904566H1  
 <400> 310  
 gtgctcgtga cattccacca gaagacttga acatgatgtc tgatcttgat ggccagcagc 60  
 agcaccatct gaatgacttg agctgttaca tacagcctcg ccccggtgcc agttctgtga 120  
 gtagatctgg tcggtccaag accctaactc catcaaactc ggaagagctc ttttctgctg 180  
 agattttcttt gtctccccgg tattctgata cagcagccgg ttctgtgttt tcccctatca 240  
 caaatcagct gttctcaatc a 261

<210> 311  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700904572H1  
 <400> 311  
 cgcgctctcc cgagggcttt gtcggaggat tcttacgcct gaacgagtcc tctccttgcg 60  
 tagttggtgc tcaattaaaa agaattggggg gagatgcaca gaagaagaga attgccataa 120  
 ttggcgtgtc taccttcttg ctggtggcca tgggtggtggc agtgacagtt agcatcaacc 180  
 tcaataacaa gggatcaagc tatgattcaa aggaagaaag caaatccagt gttagcttcct 240  
 cgatcaaggc cgtgaaa 257

<210> 312  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700904580H1  
 <400> 312  
 cgattatggc ctgggaagaa cattggaagt gataagtgat aaaacagagt ttcgttgaat 60  
 ctgcactaaa accctacgca cacatcttgg tgtaagtcca atcgatatag cagcaatgtc 120  
 tacgcttgaa attgaagctc gagatgtcat caaaattgtg cttcagtttt gcaaagagaa 180  
 ttcgttgcat cagacttttc agatgctgca gaacgaatgc caggttttctc tgaacactgt 240

tgacagcatt gaaac

255

<210> 313  
<211> 261  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700904615H1  
  
<400> 313

aaaagagatt agtggagaaa tacgacaaca cgaatccgtc gtttgttcaa accgaaacga 60  
caaggcagtt cgctttccct ttctttctct gagaaggcgt cgtaacagaa cagcagcatt 120  
ccccaaggaa gtggggcaaaa attgaagata gggatcagtg acagagagag ataacaaacg 180  
agttataatt ggttaagtag ctcaaaggat acattttgat cttctgctga catctgctgg 240  
gtacaaaatg aaagcagaca a 261

<210> 314  
<211> 260  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700904632H1  
  
<400> 314

cagagaagga gaaactagac acaatttatg agactgaagg tgtagcctt gaacatgtga 60  
aggcagctgc aaaggagaaa agcaacatta ttgagcattt gaaaagaact gagagcaata 120  
gggaagcact ggctgctgca gttcaggatc tgaggaaaac gaatgaactc gcatcgcaaa 180  
tggaagcaag agaaaagaga aagttaggag cttcttttaa ggacgatgac aaagtagact 240  
cttccaagag tttttccctt 260

<210> 315  
<211> 260  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700904667H1  
  
<400> 315

ctttattctc tcacacaaaa taatgncnac agaagcttgg caacangtct catgatcctn 60  
aagtgagaaa gaagccatng acaatggaag aagacttaat cttgatcacc tatattgcca 120  
atcacgggga aggggtttgg aactctttgg ccaaggctgc tggacttaaa cgtaccggaa 180  
agagttgccg gctccggtgg ctaaactacc tccgtcctga tgtagaaga gggaatatta 240  
cacccgagaa cagcttttga 260

<210> 316  
<211> 251  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700904677H1

<400> 316

ctttattctc tcacacaaaa taatggnaa gaagcttggc aacangtctc atgatcctga 60  
agtgagaaaag gggccatgga caatggaaga agacttaatc ttgatcacct atattgcca 120  
tcacggggaa ggggtttgga actctttggc caaggctgct ggacttaaac gtaccggaaa 180  
gagttgccgg ctccggtggc taaactacct ccgtcctgat gtagaagag ggaatattac 240  
acccgaggaa c 251

<210> 317  
<211> 278  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904813H1

<400> 317

gaaagggcac ttcaacagag cacccttaag gcatggagtg gaaaagagga gaatgtgaag 60  
aaggctcagg aagccctttt ggtaagagcc aaggccaact cagaggcaac tctgggaacc 120  
tacaagggta actcaaagct tgctgatggt gcctcagaga gcctccatgt tgaggactac 180  
aagtactgat caatctaagt gcgggtagga atcggtatct tatgggtaca accgaatttt 240  
cttgtaatg agtattgtgc ttcgatcttc ccagaata 278

<210> 318  
<211> 274

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700904831H1  
 <400> 318  
 catgctcatg ttcaaactctg gctcttctat tccatctaga ggttctgttg actttgcttc 60  
 agcagtcaga aaattggctt ctcaggattc tggatatgg aagtatgata aaaatggctc 120  
 tggatgatgct tccactggct ctagtagggg tttaaagtct ctggctagt cctacaatgg 180  
 tggacagggg agagtcaaca ttggtgatag attacagagt cgtggttctg ctcgggcagc 240  
 tcctgtttgg cttgaaactg gtgacgcatt gcaa 274

<210> 319  
 <211> 272  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700904850H1  
 <400> 319  
 gtagctaaat taattggctg tagcattgaa gatctcaagt tgacactatc aactcgcaaa 60  
 atgaaagttg gtaatgataa tattgtccaa aagttgatgc tatcacaggt aaaatgacca 120  
 ctctgttact agaaatgttg gcctgaaatt atggatggaa aaaatgcaac tttctagtta 180  
 cttgaaatat tgggaaaatg aaggtgtact gcattcctca gtgcatatgg caatttgttt 240  
 agtttgttat ttgaagaaaa aggaaatgaa aa 272

<210> 320  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700904859H1  
 <400> 320  
 gagaaggctc tctttagggc actaaagact aagcatgcta ctccaagta tggctttata 60  
 taccatgctt ccttgattgg tcaggcagct ccaaagttca aggggaaaat ttcccgttca 120  
 cttgcagcaa agacggcatt ggctattagg tgtgatgctc ttggagatag ccaagataac 180  
 accatgggat tggagaacag agccaagctt gaagcacgat tgaggaaact tgaaggcaaa 240



gagttaggtc gttttgctgg ttctgc

266

<210> 321  
<211> 69  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700904896H1  
  
<400> 321

gtcttctcgt gttgactgga aaatgtcgta cccttgattc ccataaagag ctattgaaac 60  
tattatatt 69

<210> 322  
<211> 252  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700904908H1  
  
<400> 322

ctgatttgcg aaagatatca tgttgcaagt cttagaagga cttaagcctt tatttgcgtc 60  
catattgcga tgttgtagacc tggatatata taaccagcca agaggccttg aagatcctga 120  
acttcttgcgt agagagacag tgttcagtgt aagtgaata gaagcactct acgagctctt 180  
caaaaagatt agcagtgcgt taattgacga tgggttgatt aacaaggaag agtttcagtt 240  
ggctttgttc aa 252

<210> 323  
<211> 253  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700904909H1  
  
<400> 323

gtgttggtg agatataaga gcgtagaaga tggtagact gagataattg ancatcaatg 60  
agtggaagct gatcgatgng agtcgccaca cggaggcatg ccacgtgtgc tgccagaagc 120  
tgctcgtaca gcggatgagt cgctatctcc gccttcagct tccacacaac atacgantcc 180

ncttctggca tcacacgtgg catgcntngc gtnctgggant nccnntngta atttannccg 240  
nanngtgcnc att 253

<210> 324  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904912H1

<400> 324

tagattatca ttatctggtg ctctctggtg gagagagtga gtcgctatct atccactacc 60  
ataaaatcct atctttacca tgaatggcta gagtaggagt tgaccactt ttgatgtaac 120  
cgtttaacaa ccattttgat gggatggata cagtcttttg ttttattccc atgtacaaat 180  
agaccctcat ggctctgggc attgggcaat aaccaaattt cagtgattgt ttagcggact 240  
cgtcgaatag at 252

<210> 325  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904914H1

<400> 325

ggcaagaata tcaaattggt ctcttgtctt cctcctcatc tctacactac tccacataga 60  
gcccagcctc tcaagcccaa gcccagccc aagcccaagc ccgttcataa aatcctcctg 120  
cagcagcacc cagtaccag ccctctgcgt ctcatccctc tccgtctacg cctccagcat 180  
ccaacaggac cctcaccaac tggttcagac agcactctcc ctctccctga accgcaccca 240  
agccaccaaa accttcg 257

<210> 326  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904915H1

<400> 326

ctcaactcaa gtaaggggtt tctctttgag aaaatcgtat cttacacctt ttggtgacca 60  
ctttgagtga gagaagagaa attaagagag atactcaaat tagattcaag agagatggcc 120  
atcaaccatg aaacttgggc tttcattttc ggtcttctag gcaacgtgat ctcctttatg 180  
gtgttcctcg ctccattacc aactttttac caaatctaca agaaaaaatc tacggatggg 240  
tttcaatcac tacctta 257

<210> 327  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904920H1

<400> 327

ctatgcctaa ctcttctttt gtttttgttg tccttcttca aataccgtaa aaccttcaag 60  
aatccaccac ttccaccagg tcctagaggc cttcccataa tagggaatct tcatcaacta 120  
gatagtcctt ctcttcatga gcagctatgg catctctcaa agaaatatgg tcctttattt 180  
tcccttcaat ttggattaag gccagccata gttgtttcct ctccaaaatt ggccaaagag 240  
gtaatgaaag ac 252

<210> 328  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904921H1

<400> 328

agaagatgga gatgtatcag atctggagca ggagaatagc gttgggagcg ttcgcgtttg 60  
ttctgctttt cctatcggcc tcagcagacg acgtcgttgt gctctctgaa gataacttcg 120  
agaaggaagt tggtcaggac agaggagctc tcgttgagtt ctatgctcct tgggtgtggac 180  
actgcaaaaa gcttgctcca gaatatgaaa agcttggtag cagcttcaag aaagccaaat 240  
ctgttttaat cg 252

<210> 329  
<211> 253  
<212> DNA

<213> Glycine max

<223> Clone ID: 700904926H1

<400> 329

ctttcaatct gttgatagat ccagtcacatc ttcttcaacc acagtttcat ctatggccaa 60  
gtctctgctc cctacgaaga ggaggctcca tcttgatcct tccaacaagc tctactttcc 120  
atatgaacct ggtaagcaag ttaggagtgat aatcgcaatt aaaaacactt gcaagtctca 180  
tgtagctttc aagtttcaaa caactgcacc caagagttgt tatatgcgcc ctccagctgg 240  
tattcttgcc cct 253

<210> 330

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700904929H1

<400> 330

aagagcaaga attctcctaa gccaatctc tattggtttt cttctgattg gttcaccatt 60  
caacgagggt ccttggaata tctcaccttc acatctgac cagaaacttt tgaacttgga 120  
tttgattacc atgtggccaa ttcttcatct ggtggcaata gaatccttgg caggccagtg 180  
aacaatagca ccataacata tctcaggctt ggaattgatg gcaacattag gttctacact 240  
tacttccttg atgtg 255

<210> 331

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700904930H1

<400> 331

ggattggtga ggtaaacttg aattgaagtg aagaaggaga tggctgcaac ctcttccttg 60  
tgctcatcga cctccaatc ccagatcaat ggattcttcc ttcacaaaac ctctctttcc 120  
catactcctt cctcacttt ctccaggagg aaaatttcaa ccacagtga ggctacatct 180  
cgagtcgaca agttttcaaa aagcgatata attgtctctc cgtccattct ttctgcaaac 240

ttttcaaaat tggga

255

<210> 332  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904937H1

<400> 332

cgaacgatcc acgaaagatg ttggctgttt tcgacaaatc ggtggcaaaa agcccagagg 60  
gtctgcagag ccctcactca gattccgtct cagccctaaa agacggtttt atcgcagaac 120  
acttctcttc cgttcaccct ggttccgtca cegtcaacct tggctcttcc ggtctcttgg 180  
cctattccct tcacagacag aacccccctt tcccaaggct gtttgagtt gtggacgaca 240  
ttttctgttt g 251

<210> 333  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904938H1

<400> 333

ataatgggggt ctatgggtaa ctcaaattca aatctaaatc caaatccaaa tccaaattcca 60  
tggactccaa aggattgttc tgaaggaatt tgcagcatct attgtcctca gtgggtgttac 120  
aaagtgtact ctctcccc tccaattcta ctaggtgatg gcgatgatga cccttcaggc 180  
tttgaattct ctctctcat agttgctgtg attggaatct tggctagcac tttcatcttg 240  
gtcacttact 250

<210> 334  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904940H1

<400> 334

tgtgaatcag caccacattc acctgagctt tttgtgagga ttccaaagca tggcttcctt 60

tgcagcatcc actgctgctg cttcccttgg catgtcagaa atgcttgga accccatcaa 120  
 cctcagtggg gccacaaggc cagctccatc tgcctctagc cctgcctcct tcaagactgt 180  
 ggctcttttc tccaaaaaga aggctgcacc tccaaaaaaa gctgcagctg ctgctcctgc 240  
 caatgatgag 250

<210> 335  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700904941H1  
 <400> 335

gtttctcttc ctccctggaa gaaaaagaag agtcaccgct acgacgccgt tcgtgctttt 60  
 ttgaggtgcc acagtcatgt ttgggcgtgg tggaccaagg aggagtgaca actccaaata 120  
 ttatgatatt ctgggggttt ccaaaaatgc cagtgaagat gaaatcaaga aggcctatag 180  
 aaaggctgct atgaagaacc atccagataa gggaggagat cctgaaaagt tcaaggagtt 240  
 aggtcaagca ta 252

<210> 336  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700904944H1  
 <400> 336

gcttgggaata attcctggat ttggaggaac acagcgactt cctcgtcttg ttggtttgac 60  
 aaagggactt gagatgatac tggcttcaaa accagttaaa gggaaggaag ctttttagttt 120  
 ggggcttggt gatggtttgg tgtcacctaa tgatttggtg aacactgcac gccaatgggc 180  
 actggatatg ttgggccacc gacgaccatg gattgctagt ctttataaga ccgaaaaatt 240  
 agaaccctt 250

<210> 337  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700904946H1

<400> 337

gtacttttga tagagaaaact tacaaaacat tacttcaagc tggagaatca ccaccatgcc 60  
atcacacacc ttcaaccaga ggagttatca tctcactgc ttgcatttaa atcccatatg 120  
tccaaatcaa ttgaccaact agcatcggat ttgaaacccg gatcagagac cccctgtcc 180  
ttaacatggg ttggaaagtg tttcggcctc ttgcccttca tcaacaaggc ttttggaaag 240  
cttgttgtgg ata 253

<210> 338

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700904948H1

<400> 338

tcaacttccc taagcactag caccacacaa tggtcattgc agcaaccctt cttctcttct 60  
ttctttcttaa tttatgccta agaggcactt atgctgacta tggaggtgga tggcaagggtg 120  
gtcatgctac attttatggg ggggggtgatg catctggcac aatgggaggg gcttgtgggtt 180  
atggaaatth gtacagccaa ggctatggaa ccaacactgc agcactcagc actgctctat 240  
tcaacaatgg catgag 256

<210> 339

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700904954H1

<400> 339

cgaaactctt gattaccata accatgtcaa tggcaacaac atcccctcac accgccctct 60  
tccaaaaccg caccaaccct ttcactctct ctccttcaa acccatatcc atcaaatgcg 120  
ccaccaact ccatacccaa gccccgcccc tcaccactc ccaagatcgc gtcttcaact 180  
tcgcccgcgg tcccgccacc ctcccggaaa acgtcctcct ccgtgcccaa tccgagctct 240  
acaactggcg c 251

<210> 340  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904959H1

<400> 340

ctattgtgtt ggtatgtagc tggggctctt ggagcatacc cagatgaatg gctgccaaaa 60  
aatggaaatc actttgtttt tgctcttatg ttttcaatat ctgttgtggt gattgcatgt 120  
ccatgtgcac ttggtttggc aacaccaact gctgtcatgg tggcaacagg ggttggggcc 180  
aacaatggtg tgtaattaa aggaggagac tccttgaaa gggctcagat ggtgaagtac 240  
gtcatatttg 250

<210> 341  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904960H1

<400> 341

gtcaaagcaa ccatcgagag gtacaaaaaa gcaagttcag attcgtctgg cgctggatct 60  
gcttctgagg ctaatgtca gttttaccag caagaagcag ataaacttcg tcaacaaatt 120  
agtaacctgc agaataacaa caggcaaagt atgggtgatt ctttgggctc tctgactgcc 180  
aaggatctca aaaatctgga gactaaatta gaaaaaggaa ttagtaggat tcgttcaaaa 240  
aagaacgagc tg 252

<210> 342  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904980H1

<400> 342

ctccatacta tatgtcttcc cagctccagt ttggaggtgg aaaattatca tattaaaagt 60  
aatcaaaaat gatcttgtaa aacttagaat acagcaatat aaataactac ttctccgaag 120



cagggacctg gaatacttga atgtgaagaa cagaacaagg ggcttcttcc aagagttgta 180  
gaaggacttt ttgattccat aaattctttg gatgaagaga agacatattc aattaaattg 240  
tcaatggtac acag 254

<210> 343  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904982H1

<400> 343

ctcttacgtt atattaaaag ctatttaaag tgttccctc actcaatatt atttatgtgt 60  
taggagaggt caattgcctt tgcatttct atctcatatc gatcaatttg taataatggc 120  
cagtgagaga attctcaagc catctaaatg gttctcaaac aaatcactaa agcttagtct 180  
tcatcggtga agatcaagat cctcctccaa taactatta tcgagtaact ctcccagtc 240  
aagatcaccc 250

<210> 344  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904986H1

<400> 344

cgtttcgttc aactttcaac gccagttcac actctctgct tcgctgttac caacaagtgc 60  
aagttcgaat caatggccag cgctcagctc acagcaatag cgtcatcgat ctctacggcg 120  
tcgtttgaag ggcttcgacc ttccgctgtt cagtttgctt ccacgggcag aattagaatt 180  
ggcaatctct cccaaaggtc cttccggggc ttggttgta aagccgccac cgttggtgcc 240  
cccaaatt 247

<210> 345  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904987H1

<400> 345  
cagcagcctc aggaggagaa taaggatgtc tcacaggaag ttcgagcacc caaggcacgg 60  
gtcactggga tttctcccca ggaagcgtgc tgctcgtcac aggggaaaag tgaaggcatt 120  
ccccaaggat gacccatcca aggcacccaa gctcactgca ttcttgggtt acaaggctgg 180  
tatgactcac attgttagag aggtcgagaa gccaggatca aagcttcaca agaaggaaac 240  
atgtgagcc 249

<210> 346  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904988H1

<400> 346  
caaatgtttg cagaatgctg gtctgagggg tattgcacac atagcggata ccttttcaac 60  
aaaagggcta gatccacaac aaattgaatc aatatcaagg ataagatata ttgcgcatga 120  
atgtctgaga gaccaatttg gtggtttggg catggcgta gggagcccc aagttgaact 180  
aggaaaaagg gtcagaggaa aggagagggt tagaagaaaa ggaggagcgg gtaaacgact 240  
gcgaaaagg 248

<210> 347  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700904995H1

<400> 347  
caaagccttc tccttaacca ctgagagcct tggttgtgtt caaagctcta tatttaggag 60  
catccatgga aatatgattt gttttccacg tgggattttg gaccacagag ttcatgttca 120  
tgaagaacat ctatctttca gtgaatgaca acttcagatg ccattgctcc atgatcatat 180  
ggatatggagc atggcagagg cggtcgagta aggaaaaaga ggagctgacc tcaacccttg 240  
taagttggac aat 253

<210> 348

<211> 273  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700905001H1  
  
 <400> 348  
  
 ctccaaccct ctctttccgg caactaggtt aaagttcatc aatggcaggt cgtggcaaaa 60  
 ccctaggatc cagcgccgcc aagaaggcca cctcaaggag cagcaaagcc ggctccaat 120  
 tccccgtcgg ccgtatcgcc cgtttctca aggccggaaa atacgccgag cgcgtcggcg 180  
 ccggtgctcc cgtttacctc gccgctgtcc tcgaatatct cgcagccgag gttttggagt 240  
 tggctggaaa cgctgcgaga gacaataaga aga 273

<210> 349  
 <211> 182  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700905080H1  
  
 <400> 349  
  
 aactcttgtt cttctttacc gattcaacaa cagctcagca gtggtagtac ccatgagcct 60  
 gcagaatctg cacttttttt gccttggtt ctattctctc ctactttga atcggaagat 120  
 atcctttcca ttcaaggcag caagcagaag tttcaacgaa agtctctctt cccacacagc 180  
 ta 182

<210> 350  
 <211> 160  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700905088H1  
  
 <400> 350  
  
 ccgccatgac gggtgcaagc gccgcctctt cacgcaccaa gaggctcgtc aagctaacgc 60  
 tctcgctcct ccgcctcggc ttcaactcct ccaaattgga cttcactgca ccttgaactc 120  
 tctctctttc gcactaaacg acgcacgaat aaacaaaacg 160

<210> 351

<211> 275  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700905102H1  
  
 <400> 351  
  
 caactccact caattgtatg cattgatcca tggctagata cattaatatt gtacttttgg 60  
 gaatagtgtt ggtagtggtg agattgaaag gtgcagagggc acagcggggcg ttctttgtgt 120  
 ttgggggattc tcttgtggat aatgggaaca acaacttttt ggcaactaca gctcgagcag 180  
 atgctcctcc ttatggcatt gattacccaa ccggaagacc cactggccgg ttcttcaatg 240  
 gctacaacat tcctgacttc attagtcaat cactt 275

<210> 352  
 <211> 276  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700905103H1  
  
 <400> 352  
  
 gtctacacgc actcttatga gaaagagcag aaataccaga cattcaaaga aaacgtgcaa 60  
 cgtatagaag cctttaacca tgcgggaaac aaaccttaca agctaggcat caaccatttt 120  
 gctgatctca caaacgagga attcaaagcc ataaatagat tcaaggggtca tgtgtgctcc 180  
 aaaataacac ggacaccac atttaggtat gaaaatatga cagcagtgcc agctacattg 240  
 gattggagac aggaaggagc tgcacaccc atcaag 276

<210> 353  
 <211> 272  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700905104H1  
  
 <400> 353  
  
 gagagttttg ctgcaaggac ttgacacaaa ttgtgtaaat gtctgtggct ttaccaacc 60  
 tctcttggtg gttgtggagt ggaaagcatc aagagccaag aatcccaaatt gggccttcta 120  
 taaattcttc ggccgattca aatttgtggg aatcggatgt tttgaggttt cctttggttc 180

aggcgaatgt ggggtcctca tctagaaagg tgaagcgcaa atggcatagt aggggggaga 240  
ggaaggtgga tagggaatat gatgttggtc tg 272

<210> 354  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905106H1

<400> 354

caaagttcgg tggttcaata tgtatataga cgtgttggtt caacctgatt tttgcgatac 60  
agactcaagt accaatcact tctgctaagg agttatcttt gcttactgaa gaatattgca 120  
ttcctgccat gtaccaattc tcgggtctctt ccagtgttag agcgtcggta ggatcgaaga 180  
tggttggcat gtagccattt gttttggctg ggtgataata tcttaataga atatggaaat 240  
gttgtgacga actctgcagt agcagttct 269

<210> 355  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905112H1

<400> 355

gccattctct tcagttttaa gttacatagt ttttcattgt tttacttaat ctacaatggc 60  
tggttcaaca atggctctct ctctcatc attggtggc caagctatca agcttgcccc 120  
ctccaccct gagcttggtg ttggaagggt tagcatgagg aaaacagcct ccaaaactgt 180  
ttcctcagga agcccatggt acggcccaga ccgtgtcaag tacttgggccc cattctcagg 240  
tgagccccc tcttatctca ctggtga 267

<210> 356  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905113H1

<400> 356

gcttaccaac caggggaataa gagtgatata attacagtgg gcctaaaaaa acttgaacct 60  
 agttttattct gtgaaggaag ggaaacttat tcaatatatc aacagcagaa gcaagggtcaa 120  
 tgaatctcta gagcaggcat ataaatttta cgctgggtat ggaaatgatg gaacagaaac 180  
 tgctcaggct tctggagcat atattttccg cctgatggg tcacctctc ccatcaaac 240  
 caacgggaag tctcctctca cagttttt 268

<210> 357  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700905115H1

<400> 357

cacaatcata atctcaatca cctcaatttc acttctctgc tccaaagttt caatcttttc 60  
 tctgaaatcc caaatgggca tcgccacaat caaaatggga ggcaactccg actccaactg 120  
 ttccatcact ccacgccatt acaacacca caaggtgttc cttttctgca actacattct 180  
 cttgggtgca gcctccagct gcattcttct caccctctcc ctgcgctca ttccctctct 240  
 atgcggcttc ttcttcatcc ttcttcaggt ctt 273

<210> 358  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700905118H1

<400> 358

gttattctcc tttgaaacac ttgccccgta gctgcaaaag ctaaaacact tagtgaatga 60  
 gagcaataat gggctctgga aatatacgac cttcttcttc cggctgctct cacttgtcta 120  
 tctccgagct ccgcgagaag caccattggg agctagaaaa tctgacacta acctcacaac 180  
 ctttcaaaac attgaaattc ttcacattag ctgttattca atacatcaag aaaacatcat 240  
 tataatctatt ggcaaaagggt ggatgggtta tg 272

<210> 359  
 <211> 265  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700905125H1

<400> 359

gcagccacta tagtaaaca tcttctctat ctaaaatgga gtttgttcta aactacctaa 60  
atgccactgc cattggagtt ctttctctaa ccctcttctt tttgtttttg tataatccct 120  
tcaaatttgc attaggtaaa aaagaggctc ccgaagttgc aggtgcatgg ccaatacttg 180  
gtcacctacc actattgagt ggttcagaga cacctgatag ggttttgggt gctttggctg 240  
ataagtatgg acccatattc accat 265

<210> 360

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700905129H1

<400> 360

cagaaacccc acaccaacc ctaacgcccc tcccccaact cccaacctca ccatccccga 60  
cctctccctc gccttttccg ctatctccgc cgcccaccca atctccccct ccgtcgccca 120  
ccgcgtcatc gagaaatgcg gcggcgctccg ccacggcatc cccttctctc aatcccttgc 180  
cttcttcaac tggctctctt ctctcgacgg cttccccgcc tcgccggagc cctacaacga 240  
gatgctcgac ctcgccggaa agttgaga 268

<210> 361

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700905139H1

<400> 361

gacaattcaa cttaagagat caatatggcc accaccacta cccagcctcc ctctaataac 60  
tggtttttcc ttctgttggt gcttctagca cactttcatt tgggcataag ccaacttgag 120  
ctgaattact actctaaaag ctgccccaaa gctgaagaga tcatcaagga acaagtcaca 180  
caactatata acaagcatgg aaacactgcc gtttcgtggg tcagaaatct cttccacgat 240

tgcgtggtta agtcatgcga tgc

263

<210> 362

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700905143H1

<400> 362

gcaaagcaaa agatgttggt gaatactctg ttactattat gggtaaggc caagtttagac 60

cagtccattc tggaggttct ccaaccagac tagtcctctc caacttggtt tctttttata 120

caaccttccc actctcattc ttcaatcaat ccaacccttcc agaccctttc tttcaatatt 180

catagcatca tcatgggtga ctcttcgctg gctaagacc atttgggtga atccccggcc 240

gttgagttaa ccggaagat aat 263

<210> 363

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700905157H1

<400> 363

cgccggtgca ctacaaatac aaccccgctc agaccatcaa gacgaatgtg atgggcacgc 60

ttaacatgct tggccttgct aacgaattgg ggctaggttt ctgcttacta gtactagtga 120

ggtttacggt gatccgctgg agcatcctca gaaggagact tactggggaa atgtcaatcc 180

aattggtgag aggagctggt acgatgaagg gaagcggact gcggagacat tggccatgga 240

ttatcatcga ggagctggt 259

<210> 364

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700905158H1

<400> 364

ttaagatgga ggggaaggag caggatgtgt cgctgggagc gaacaagttc ccggagagac 60



agccgattgg gacggcggcg cagagccaag acgacggcaa ggactaccag gagccggcgc 120  
 cggcgccact ggttgaccgc acggagttta cgtcatggtc cttttacaga gcagggatag 180  
 cagagtttgt ggccactttt ctgtttctat acatcactgt cttaacgcgc atgggagtcg 240  
 ccgggggctaa gtctaagtgc 260

<210> 365  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700905160H1

<400> 365

tccacacgct ttctccagag accttcttcc tagatacttc aagcacaaca atttctcaag 60  
 cttcgtcagg caactaaaca cttacgttgc agctgttgct tggacaagaa tctatggtag 120  
 tgatagcaat cgttatttac tcaagattat tcagaagccg tagaatggat acgaattcga 180  
 agtagctggc ctccaagaat cataactgat tgttgctttt gaaccaagat ccggttggtg 240  
 gttaaccttg tcggtttga 259

<210> 366  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700905161H1

<400> 366

gaagaagcga aacaacttct cacgcgctgt ctcaatcttg gaatctctgc tctaaattct 60  
 aatcttcccg ccatagatgt cgtcgaactt gtgggtgaggg aattggaaac ggatccgctg 120  
 ttcaattcgg gccgtggatc tgccctgaca gaaaaaggaa cgggtggagat ggaggctagc 180  
 atcatggatg gtccaaaacg acgatgcggc gccgtttcgg gtcttaccac cgттаагаас 240  
 ccgatctcgc ttgctcgttt gg 262

<210> 367  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700905183H1

<400> 367

caagaacaga ttcacattgc cgccattttt gacattgaag aactttgaag gattggacct 60  
tggaagatg gacaaagctg atgactctgg acttgcttca tatgtttctg gtcaaattga 120  
tcgtacttta agctggaagg atgtgaagtg gcttcaaaca atcaccaaac tgccaattct 180  
ggatgaagggt gtgctgactg ctgaggacac aaggatagct atacaaagtg gtgcagctgg 240  
aattatagtg tccaatca 258

<210> 368

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700905186H1

<400> 368

ctatgctgtg tcaatcacca ttcgtatagt gtttggtttc atgtttattg cattgatttg 60  
gaaatttgat tttgcaccct tcatggtggt gattattgcc atactaaacg atggtaccat 120  
catgacaata tccaaggatc gagtgaacc atctccaatg ccagacagct ggaagctgag 180  
ggagatattt gccactggtg ttgtgctagg agcttacatg gcactaatga cagtagtatt 240  
tttctggctc atga 254

<210> 369

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700905203H1

<400> 369

tgaagagcga agagaatggc tccaagggt ttaatctttt tggctgtggt atgcttctca 60  
gcactgtcac tgagtcgttg tcttgcgag gataatggac ttgttatgaa cttctacaag 120  
gaatcatgcc ctcaggctga agacatcatc aaagaacaag tcaagcttct ctacaagcgc 180  
cacaagaaca ctgctttctc ctggctcaga aacatcttcc atgactgtgc tgttcagagt 240  
tgtgatgctt cactgttgct 260

<210> 370  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905213H1

<400> 370

tgcttggaag ggtaatttta gctattcttc ttgattgaat tacttggaag gtagtggtt 60  
gatattgaat ttattctgct ttcttcgctg tttctcctcg attttattgg tgttttgaat 120  
atatttaatg attgatattt tgcatcaaaa ctcatTTTTg tacaatcag atgaaggatt 180  
tgctcaagag gaaacatcc attgttgagc tgagtggcat tagcaagtca cgacttgact 240  
gctttgcaac tc 252

<210> 371  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905214H1

<400> 371

tgcatccctc ttgatttgta gtttgTTTTg tgcttttagat aaaagtctg ccaaatcaag 60  
aggggtttta agatcatagt gtgtgTTTTg caacaatggc taagttcttt gctgctatga 120  
tcttggcact ctttgccatt tccatacttc aaacagtggg aatggctgct aatgaacaag 180  
gaggccactt gtatgacaac aaggtatata tacccttacc tattcttcac tctcttgtct 240  
ctctttcttt gtg 253

<210> 372  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905285H1

<400> 372

caccaggaa atctccaag gacttatagc ctaaccata gtgatataac cgctaagctc 60  
accttgcaa tctctcaaac cataaataat tctcagctgc aggggtggta caacagattt 120

caaagggacg aagtgggtggc acagtggaaa aaggtgaagg gaaggatgtc tctgcacgtt 180  
 cactgccaca ttagtggagg tcattttctc ttggatatat tagcaagggtt aagatacttc 240  
 atcttc 246

<210> 373  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700905319H1  
 <400> 373

atttcaaggg ctgaaacatc tatctttaac tgtattctcc ctttgtttcc tcaccagttg 60  
 attcangttg caaacatggc ttttccagac ccatccatgt cagtttctcc acagaggaag 120  
 atgggaaggg ggaagattga gatcaagagg attgagaaca ctaccaatcg ccaagtcaca 180  
 ttctgcaagc gcaggaacgg cttgctcaag aaagcatatg aattatctgt gctttgtgat 240

<210> 374  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700905349H1  
 <400> 374

ttcagccctg cctgttttgc ntncattctg ttttcanagt gacgaacttc tgnagaaatn 60  
 gcaaatcatc ctttgacaca ctctcactct ttccgcgaga ggtttgntgn gactctcact 120  
 ggtcacagga acganattnt ggcccttctg tcaaggcttg aagccaaggg caagggnatc 180  
 ctgcaacatn accaagtggg tgcagagttt gaagaaatcc ctgaggagag cngaaagaga 240  
 ctccaagagg tgncnttgga gnagtttgat 270

<210> 375  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700905403H1

<400> 375

cgacattcat tcatttatgg ctacccttat tgctcccagc aaccactctc cccaagaaga 60  
cgctgaggct ctcagaaagg cttttgaagg atgggggact gatgagaaaa ctgtcatagt 120  
aatattgggt catagaactg tttatcagag gcagcaaata agaagagtct atgaggaaat 180  
tttccaggag gatcttgtga aacgcctaga gtctgagatc aaaggagact ttgagaaagc 240

<210> 376

<211> 116

<212> DNA

<213> Glycine max

<223> Clone ID: 700905409H1

<400> 376

gaactcatca cttactggaa gccttggtgt gagtaagaga aaaggcttcc tgcaccgagc 60  
acaccaactt gatacctctg attctttctt tgcttagaat tccacacaac atacga 116

<210> 377

<211> 153

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700905434H1

<400> 377

agggttttgc tttcatttga cgaagagtga gagagtctta nctgtcgtct ctgatctctg 60  
atcgcatctt cattccgaaa atggctgttt cggctatcac tggagcgagg ctaactctag 120  
ggatgtctct ttcctcttcc acacnacana ngg 153

<210> 378

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700905445H1

<400> 378

caacgaatgc agtgtcttgc cgctttcaca agtttggtga tgaccaaag aatctggtct 60  
tccaaggtga tgccacgtct tcttccaggg gcatagaact caciaagtta gacggtggag 120

gaaaaccagt ggggtggcagt gtggggagag tgttatactc ttctccagtg cacctttggg 180

aaagctctac agtggtcgca agctttgaaa ccgacttcac cttttccatc tc 232

<210> 379

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700905457H1

<400> 379

cgccatttgg gagttaggtt ctgcacgctc tgcttcagc gagtgttctt tcttcgtttc 60

aacaccttaa tttgcacacg ctgcttcttc agcttgagaa atggcacaag aaacctttct 120

attcacatct gaatctgtaa acgaggggtca ccccgacaag ctgtgcgacc agatctctga 180

tgcagtgtc gatgctgtcc ttgaacagga ccctgacagc aaggttgcct 230

<210> 380

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700905478H1

<400> 380

ctcaggtggt tgaacgttct ttaggtggtc gtaatgaaat ggatcatgga gctagcagtt 60

cagtttctgt agatgcaccc cagaggaatt ttgctgagac tgtagcatc agtaatcaca 120

atattgatga agttaattct tggcatgac gcggttcacg catgactgcc agcattggta 180

gtgcaaagtt tttgagtgat ggtgatgaat tggtaaaga actccagt 228

<210> 381

<211> 223

<212> DNA

<213> Glycine max

<223> Clone ID: 700905485H1

<400> 381

cgacacagca gaaatgatat gatgggttgt ggcggtgcat tctcagtgtg gctgccagtg 60

tttgtgtctt gttttacagc aatagcattg gctgggactg ggtgagataa ggcaccgggtg 120

gtgttcgtgt tcggcgattc gaactcggac acgggtggac tcgcttcggg tctgggtttc 180  
cctatcaatc ttcccaatgg cgcgaatttc tttcacagat cca 223

<210> 382  
<211> 227  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700905493H1

<400> 382

ggggcactng tttcgaaccc tcgttggtgt taggtcttct tcacctttcg aattttggaa 60  
tccatgggtc agggaaactcc gggcgccatg aaccggcagg gcgaccgnaa gccggacggc 120  
ggcgacaaga aggagaagaa gttcgagccg tcggctccgc cggcgccggt ggggcggaaa 180  
cagcgggaagc agaaagggtcc ggaggcggcg gcgcggttgc cgacagt 227

<210> 383  
<211> 267  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700905514H1

<400> 383

cngtgtttac ccctctagtc ctagcaatgc tggaacaggc accacagcaa ctccaacaac 60  
cactacacca acaacaggca caccaccac caccttaact ccaaccaccc ccactactac 120  
cactccaggc acaaccaccg gtaccagccc aaccaetggc actggtaccg gcaccggcac 180  
cggcaccacc ataggtaacc ctaatgtgtt tggaatgagt ccaacatctt caatggaaca 240  
ggaggaggct tcaatgaccc aaacaaa 267

<210> 384  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905548H1

<400> 384

agataactcga atactgtgtc aaatgattct gacacgcatg atgacttcaa gccaggtaat 60  
aagcttgagg gttctggcat ttgtttgtct aatgttattg agcaggatgt caaggataat 120  
cctgttatgg tttacatgaa aggtgtgcct gattttccac aatgtggatt tagttcgctt 180  
gctgtaagag ttttaaaaca ctatgatgtt cctattagtg ctagaaacat tttggaggat 240  
cctgaactta aaaatgctgt aaaagc 266

<210> 385  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905591H1

<400> 385  
gcttacaaaa agtatatatt gggttctctc attcgtcatg gacagttctc aaccagtctt 60  
cctaagtatt cttcttcgac tgctcaaagg aacctgaaga acttttgtca gccttacgtc 120  
gaattggcta atagttatgg cactggacaa attgaagaac tagaggcata tgccagggca 180  
aatgcagaga agtttgaatc tgacaacaac cttggactgg ttaatcaggt tgtatcatcc 240  
atgtataagc ggaatattca 260

<210> 386  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905601H1

<400> 386  
cacagttagt acaaaaaagg gttacttcag cttccacata tcttgaagaa ttgatcaatg 60  
ggcaagtctg tagttgagaa gctactttgg atggcaattg tgtgcttggt gctgggtgta 120  
atttccatta ctccaaggc ccaagcagca gtgacatgca accaggtggt gagcaacctc 180  
accccatgca tttcttatgt gctcaatggt ggcaaaaccg tgcctggccc ttgctgcaat 240  
gggatcaaga ccctct 256

<210> 387  
<211> 256



<212> DNA  
<213> Glycine max

<223> Clone ID: 700905603H1

<400> 387

gaaaatgtgg aagagaacgg gttttgaaga agaagcagtt caattgatca actcagattt 60  
caggaccta agtctagctg ctaatagact cgcccatcat gccatcaaac ttggtggcat 120  
tggttttga gcctcttttt tcggattgtt tgctgccatt gctgctattt atctgttgat 180  
tttgatcgt acaaactgga aaacaaatat tctcacagca ctactcatc catacatttt 240  
cttcagcttg ctttca 256

<210> 388  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905608H1

<400> 388

gccgcgcacg gcggtgaaaa gacggtgtcc aacgctgaac cttccggtag cgatcctcag 60  
aagtctctgg agttggcgaa cgagctgatg gaaaaaggaa acaaggcaat taaggagAAC 120  
gattttggag aagcagctga taacttcagc cgtgctctcg aaatcagagt ggcacattat 180  
ggtgaacttg ctctgagtg tgtgcacaca tattacaaat atgggtgtgc acttttatac 240  
aaggctcagg aggaa 255

<210> 389  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905611H1

<400> 389

ggaacaaaca acaatagagg ggttgtggtg ctctgtgtgc tgcaatttcc ttttgagctt 60  
gtgtttgatt catcaaatca tcaaagatga ctgtaggggc aggaatatct gttgcagatg 120  
ggaacttgat ggtgttgggg aacaaagtgc tgagccatgt ccatgacaag gttcttgtaa 180  
cccctgcatg tgggtgtgct ttgctcaatg gggcattcat tggggttcaa tcccatcaca 240

agggtagccg

250

<210> 390

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700905619H1

<400> 390

ggaaccaaca acaaagagca gagagaaaga gaggaccatt ccaaccctaa tttctctgct 60

aaaccctagt tgtttggcat ttctctcttt ctccctcgta aatcttctcc cattccctcc 120

ggtagctttc cagatccaaa taaatcatgg ttttctgggt ttttggctac ggttcactgg 180

tgtggaaccc tggattcgat tacgacgaga agattattgg tttcatcaag gactacagac 240

gcgtgtttga tttta 254

<210> 391

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700905632H1

<400> 391

caaaaaaacc atggacgtgg gtcagatgca gagacagtgg atcgactaca ccaaattcct 60

cttccttgag ggcttcctgg atggtcagtt tctgcaactt cagcagcttc aagatgagaa 120

caaccctgac tttgtggtcg aagttgtctc tctcttcttt gaagattctg aaaggcttct 180

caaagatctc acctttgccc tagatcagaa tgggtgttgac ttcaaaaaag ttgatgctca 240

tgtgcaccag t 251

<210> 392

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700905634H1

<400> 392

ggaattagga atattcgaca ggtagagttt cttcaatggc tcctaaagtt gataagaaga 60

atgatccaaa ggcccaggcc ttgaagactg ctaaggcagt taagtcaggt gctaccttta 120  
 agaagaaggt aaagaagatc cgaacttctg tcactttcca caggccgaag accttgaaga 180  
 aggacaggaa cccaagtac cctcgatta gcgccccgcc gaggaacaag cttgatcatt 240  
 atcagatcct g 251

<210> 393  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700905636H1

<400> 393

gtagcagtat aaaccaattg gagttggaga gaaaagaaga agaattctaga aagctgaaat 60  
 gaataggatt cacagcagat atagcaaagc tcacactaac atcaatttat gataacaacc 120  
 tcaaaatcaa gttatcagtg tgtcacctg acttttcaaa aacaattatt tgttgcttca 180  
 tatttctactg tgatttcata atagattttc actcatctta cttgactcca agcattctat 240  
 atatctagtg cct 253

<210> 394  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700905639H1

<400> 394

agggtttggg tttttcactt tcagcctctc cattccttca accttcttct tntctttgat 60  
 ctctgatgga gacgttccgt gtttagtagc aagggttagt tgaggccttg tgtttggaag 120  
 cgtacgggtg cgttttggag ttgggaaaac aaataattct gagagatggc aaccacgaac 180  
 ccttttgatt tgttgggtga cgacgctgag gacccttctc agctcatcgc cgccgagcaa 240  
 ctcaaggcgg 250

<210> 395  
 <211> 247  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700905643H1

<400> 395

cagaaataga atcatctctc tgtctagggt ttcattcttt ttcagcttta tttgttctgt 60  
agatccatct agcttcgggtg ctgcaaatgg acgtcgcagt cactgccgtt cggtcaccgc 120  
tgatcgctct gggaagtccg gtcaacgggt ccgcctcagc tcggttgggt tccacttttg 180  
ggttttccag aaagctatgc ttgaattcag tatttatccc gaagcaagtt cgtagaagag 240  
ggtttgt 247

<210> 396

<211> 151

<212> DNA

<213> Glycine max

<223> Clone ID: 700905660H1

<400> 396

catctttatg ttagtaaagc taggaggctc ctcttgcttg caggttcagt tttatgagga 60  
ttgctgcatt agcttttttg actatatatt atgtataaaa tgttgacatg aacgtgtatg 120  
attatatgat aatataattc tacttttttt t 151

<210> 397

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700905683H1

<400> 397

ctttcagctg tggagtgatt ctggtgaagc atgccagaa ggaactgttc caatcagaag 60  
aactacagag gaggatattc tcagagcaag ctctatccaa agatttgga gaaaaccaag 120  
acctgtacgg agagactcta ctggcagtgg tcatgagcat gcagttgttt ttgtaaattg 180  
ggatcaatac tatggagcaa aagctagcat aaacgtgtgg gcaccccggtg taactgatga 240  
att 243

<210> 398

<211> 258  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700905716H1  
  
 <400> 398  
  
 gccatgcaga tcagcacacc tgaaggcaat ggaagttgcc agggaagcag gatgcttgct 60  
 ctcttatgac ccaaacctgc ggctaccctt gtggccctcc gccgaggaag cacgtcagca 120  
 aatactcagc atatgggaca aggctgatgn aatcaaggtc agtgatgtgg aactggaatt 180  
 ccnaaccgga agtgacaaaa ttgatgatgc atctgctctn tccctgtggc accccaattt 240  
 gaagttgctc cttgtcac 258

<210> 399  
 <211> 130  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700905744H1  
  
 <400> 399  
  
 acctgccagg ccgtaccag ntttgccnta tagtgagtnc gtcattagag cttggccgctc 60  
 aatncatggt ccatcagctg tttgcntgtg tgaaatngtn atgccgcctc caccaattgc 120  
 caccaccaac 130

<210> 400  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700905747H1  
  
 <400> 400  
  
 acaggcangg acgggtggta ccctcntggc cacggagacg tnttcccatn cattagttaa 60  
 tagtggaaag cttgatgtgc tatnatcaca gggnaaggag tatgtgtttg ttgccaattc 120  
 agacaacctg ggtgctgnag ttgacttgaa aatctnaaat catttgattg agcacaagaa 180  
 tgaatactgt atggaggtca tccaagaca ttggctgacg tgaaagggtg catctgattt 240

cttatgaagg aa

252

<210> 401  
<211> 63  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700905780H1  
  
<400> 401

aaganaatga tgaagcaggg cagaatgnac ccttgactgn ggangaact ccagnagnta 60  
ntt 63

<210> 402  
<211> 261  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700905805H1  
  
<400> 402

catcctgatg tattcaacat gatgcttcag atcctggaag atggaagatt aacagacagc 60  
aaaggaagaa ctgtggactt caagaacacg cttcttataa tgacatcaaa tgttgggaagc 120  
agtgtgattg agaaggaggc cgtaaaatag gatttgacct tgattatgat gagaaggata 180  
gcagttacaa ccgaatcaag agcttgggtga ctgaggaact gaagcaatac ttcaggccag 240  
agttcttgaa taggttggat g 261

<210> 403  
<211> 258  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700905820H1  
  
<400> 403

gatttcgatt ggcgagacaa aggagccgtc actaacgtca aggaccaagg ggcgtgtggt 60  
tcgtgttggt ctttcagtac gacgggagcg ttggaaggag ctcatatct ggccactggt 120  
gagctcgtga gcttagcgag caacagcttg tggattgcga tcacgtgtgt gatccagaag 180

aatatggagc gtgtgactca ggctgtaatg gtgggttgat gaacaacgca tttagtaca 240  
tacttcagtc tgggggag 258

<210> 404  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905826H1

<400> 404

aacactcata acacaaagca caaagcaaag ctcatccttg agttaaaaaa tggcagcagc 60  
ttcttccatg gctctctcat ccccatcctt ggctggcaag gccgtgaagc tggggccatc 120  
agccccagaa gtggaagggg gagcatgagg aagaccgtca ccaagcaggt ctctcagga 180  
agcccatggt acggcccaga ccgagtcagg tacttgggcc cattctctgg cgagcccccg 240  
tcctacctaa ccggtgag 258

<210> 405  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905827H1

<400> 405

cttcttcttc tcttcttctt caagattgag acgacgatcc aagtgataga cactcggtgc 60  
gatggaactt gtagctgaat ccgagcgaac tctgtaccca tacgtgactg gatcctctgt 120  
agtcgctatc aatacaaaga tgggattcta atggccgctg acatgggagg ttcgtatgga 180  
tctaccctgc ggtataagag tgttgagcgt atcaagccta ttggaaagca ttctcttctt 240  
ggtgctagcg gggagata 258

<210> 406  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905846H1

<400> 406

ctcagattgg tgaatctcaa cccagtattt tcttcacaga taggtcagga cagcattata 60  
aagaatgcct gtccatggca gttgataatc ttctgttct tgatgggaag actccagtcc 120  
aagtgtacca ggtttctgtg agagcttcaa gtcttcattc tctccattca tgggctctac 180  
aatcagcagc atttccatgg gtttaggacc agatggtgag ctacgttatc catctcacca 240  
ctggctgccg agtaatgg 258

<210> 407  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905866H1

<400> 407

gtggaaagaa ggattccatg ttacctcaat gactactgct ggcagtcgct ggggtgtgt 60  
tatgtccagg aatgctgggt attctgatca ggttgtggag cttgactttt tgtatcccag 120  
tgaaggatcc atcgctgatg ggagaatggt taccggatta cttctatggc tgctactagt 180  
gatcaggcag ccttcatact gagcatacca aaacgcaaat tacttgatga aactcaggag 240  
aactgcgta ca 252

<210> 408  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700905880H1

<400> 408

gcgaagagaa gagaaaaatt aagatggagg ggaaggagca ggatgtgtcg ctgggagcga 60  
acaagttccc ggagagacag ccgattggga cggcggcgca gagccaagac gacggcaagg 120  
actaccagag ccggcgccgg cgccactggt tgacccgacg gagtttacgt catggtcctt 180  
ttacagagca gggatagcag agtttgtggc cacttttctg tttctataca tcaactgtctt 240  
aaccgtcatg gga 253

<210> 409  
<211> 81  
<212> DNA



<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700905894H1

<400> 409

ggcttcccaa accctattat taccataatt tccaacacaa catcaacgag tnntgcgann 60

gggggntgtg gctgnaaggn g 81

<210> 410

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700905903H1

<400> 410

atcttattgc tgggtaactt ttaacgggta ctgtattact ggtttctaaa tttacttcaa 60

tagtgagtgc tagtattaca tggtctcaga aaagatttga tgtaattctt ttgacaagtg 120

ttcattttat ggtatgggtg gtagatcaaa ctttttatat ctgacaatga gttcaacctg 180

actatcattg ctaggcgctc acggcattat gctgggacca gatatttgaa acgaggagtg 240

aataaaaggg ta 252

<210> 411

<211> 224

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700905921H1

<400> 411

tctttcttcc gccactgccg cagagcgtag aaggaaatca aacagcagag agagggtaaa 60

gcatactggt gttaaattcca tgcgcatgag tcggaagaat ttgtgttagc ggtgaggaga 120

tatattgaga attaataatt gatagtgtat atatggggag gggaagagtg gagttgaaga 180

ggatcgagaa cnagatcaat aggcaagtga cgttccaaag agaa 224

<210> 412

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700905939H1

<400> 412

caagctctca acgccatctc cagctgcttc cttatcagaa gcgcttcgcc ccagagattc 60  
tcgcttcctc tccttcaatc cttcttccaa cgctattaat tacaaaatta acctctccgc 120  
ttccctccga tccattcact ccctccctct taaaacctcc ttgcggatca aatgctccca 180  
aacagatggg aatggaagtc ctgcaaagag gacagtgcct catgatcttt atgagaaaga 240  
gggcagagt 249

<210> 413

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700905942H1

<400> 413

ctaggtttga atttgggtgt ttccgtttca atggatgacg gcgagcttga tttctccaac 60  
catgaagtgt tttcgagtcc caacatgggt gagcttccca gcagcgggtc aatggacagt 120  
ttcttcgacg agctttctca ggacacgcac gcctgcaccc acaccacac ctgtaaccct 180  
cccggccccg atttctccca cactcacacg tgctaccatg tccacaccaa aatcgtcccc 240  
cccctgag 248

<210> 414

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700905985H1

<400> 414

ggcgaggatg gcaaacacaa acagcgacac caaagaagaa agcaaaaaaa tggatgaaag 60  
agagacaata cctctcctca cctcatacaa gatgggaaat tttaatctat cccacaggat 120  
tgtgttggca ccgttaacac gatcaaggtc ttacaacttc gttcctcagc cgcatgctgc 180  
tctgtattat tctcaaagaa ctactaaggg tggcttcttg atcggggaag ctatggtgta 240

tc

242

<210> 415  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906010H1

<400> 415

caccagatcc atcctcagag tgtaatagca gtactgcaac tgggtggggca ttcaagaaag 60  
ctagggttca accgcccaca actcagtcga ctttcaaggt taggaaggag aaattaggtg 120  
acagaattac cgcccttcat caactcgttt cccattcgg aaagactgac acggcttctg 180  
tcttattaga agctattggg tatatcagat tccttcagag tcaaattgag gcccttagct 240  
taccatactt gggcagtga tcaggaaaca tg 272

<210> 416  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906022H1

<400> 416

tccatcttct tctcttttca cgtcattatc ctaaacttgc agattttcac atcccaagca 60  
acatgaaggg gaggttcag tttctgtcgg tgctccttg tgccaccttt catgtctcct 120  
tctccattac tgacggctta gtagcaaacg gcaacttcga gctgggtccg aagccctccg 180  
ccctgaaagg aactgtggtg attggtggca gccactcgat cccagaatgg gagatctctg 240  
gcttcgtgga gtacataaag tccggccag 269

<210> 417  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906036H1

<400> 417

gatttctctg ctgaagagct tgggtccaag attaaggact atgggattgt ttctcctgag 60

actaagaact ctctctctga tccctaccct ttcaatttga tgtttcagac ttccattggt 120  
 ccctccggt ttagccctgg ctttatgaga cccgagactg cccagggcat tttcgtaaat 180  
 ttttaaggatt tgtattatta caatggcaac aagcttcctt tcgctgctgc gcagattggc 240  
 caagcgttta ggaatgagat atctccacg 269

<210> 418  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700906049H1

<400> 418

gtgagagaga gatggcaggt atcgctggta catgtccttt aggagcattg ctcaaaaaca 60  
 gtgtctcaga aaacaatggg aagatatctg tggttcatta tgaggggctt agattgcagc 120  
 agagaatgca aatgccttca ccaagccagt acatttcagc ttcttcatca gctccaagat 180  
 gcagaacaat caaggccatg gcttcccca ctgttggagc accaaagaga gaaaaggatc 240  
 caaaaaagcg ggtagtaata acaggaatgg g 271

<210> 419  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700906058H1

<400> 419

gggacacatt gacctattaa gtactgatca ttcaccaact gtgcctgaac tcaagcttat 60  
 ggaggagggt gacttcttaa aagcttgggg gggcatatca tctttgcagt ttaatcttcc 120  
 agtgacgtgg tcatatggga agaaatatgg acttactctg gaacaattgt ctttattgtg 180  
 gagcaagaaa cctgcaacac tggcgggggtt agaatcaaag gggaccattg cagttggaaa 240  
 ccatgcagat attgtagttt gg 262

<210> 420  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700906096H1

<400> 420

gaagatggga aggggtaagg tacagctgaa gaggatagag aacaagatca atcgccaggt 60  
aactttctcc aaaaggagaa gtgggttgct caagaaagct catgagatct ctgtactctg 120  
tgatgctgag gtagctttga ttgtcttctc tcacaaagga aagctctttg agtatgctac 180  
tgattcatgc atggagaaga tactggaacg ccacgaaagg tatgcctatg cagagaggca 240  
gctagtagca aatgattctg aaacaca 267

<210> 421

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700906119H1

<400> 421

gtgagatagg aaagattctc agaatctaga atatcagcat ggtttttttg cagggacaac 60  
aaggtttgaa ttaggaacaa ttaaacaaga tattaaggca cttgtggggc tgtgtgtaag 120  
gtttctagag cattggatta cagggttaaca tttgcatggt gacagaagga tttggaaagc 180  
caatgcacaa agttttgaaa ctttgtaaatt gtggggggtg attagatcaa attgtgggaa 240  
agaaaa 246

<210> 422

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700906120H1

<400> 422

ggaaaccctc ttaggatatt tgtgattgtg agagattttc tggggatggt agataatgtg 60  
tgtaaagaac ttagaaggct taaagctcca cgtagcccgga accctcttgc tatgctccct 120  
ttagatagat catagactag aattaaacac tgccttgtgt gttcatagga attgaaattt 180  
tttaaaccac cagagtgtaa ctttattttg atttttgtgg agttttggag catttggatt 240  
ttgta 245

<210> 423  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700906129H1

<400> 423

catttccggt accgttatcc tcacttctct ctctctcaac ctcttattta ttatttaacc 60  
 ctttattcca ccccttttct ctcccttcat caagcaccca actttctgcc acccccacaa 120  
 aagggtgctt gcgtttcttt ctgtgatctc aaccatgaag cgtccactca caccttcagc 180  
 cagcggcatg aagactaaca agaaagccaa ggcgatggaa aatgacgaag acgtggaggg 240  
 gctggggg 247

<210> 424  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700906131H1

<400> 424

gatgggtgca gaagcaaatt gcggcgagaa gcaattgaaa tttctgatct acggtcgcag 60  
 cggttgatt ggtggtctac tgggtaagct ctgcgaagag cgcgggatcc aatatgagta 120  
 cggcaccggc agattggaga accgctcgtc gttggaggcg gacatagcgg ctgtgaagcc 180  
 cagccacgtg ttcaacgccg cgggtgtcac gggtagaccc aatgtggact ggtgcgaatc 240  
 tcacaaagtt 250

<210> 425  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700906132H1

<400> 425

ctatctctca ccaacttccg ctacttccta ctccaaccac tttctttttt cccgcagtca 60  
 tgggcaaggt caagatcgga atcaacggat ttggaagaat tggccgtttg gtggccaggg 120

tggctctgca gagagacgat gttgaactcg ttgccgttaa cgatcctttc attaccaccg 180  
 attacatgac atacatgttt aaatacgaca gtgttcacgg gcactggaag catcacgatg 240  
 tcaccgttaa g 251

<210> 426  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700906160H1  
 <400> 426

gagaaattga gtttctgaga taaccacttt tctctttgat tcatcaatgg caaccgag 60  
 gaccgtgaag gatgtttcgc ctcacgattt cgtgaaggct tacgcctccc atctcaagcg 120  
 ttccggcaag atggagcttc ctgagtggac tgatattgta aaaacagcaa aatttaagga 180  
 attggctcca tatgatcctg actggtatta tgtagggct gcctcaatgg caagaaagat 240  
 t 241

<210> 427  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700906171H1  
 <400> 427

cggaatcaa ggtcatcaga cttcaagggt gtttcagctg ttgtcactga cagaattcga 60  
 gaagctcatc agaatgagtc tgctccatta atgatgttat ttccagaagg tacaaccaca 120  
 aatggagagt tcctccttcc attcaagact ggtgggtttt tggcaaaggc accggtactt 180  
 cctgtgatat tacgatatca ttaccagaga tttagccctg cctgggattc catatctgg 239

<210> 428  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700906174H1  
 <400> 428

caacaacatc accagacaat acaaacgcag atagatcact ttgacgccac cctgaatctt 60  
gatacctttg accgcaacaa aattcttaat tgatcactgg gtatgttttt gatcgtgcac 120  
cttgtggggc agtaatcggt caaaacgtga acaagtctta cttttgattc cgaattcctc 180  
ttatcacttg atgcttaagt ttgctgcttt caccaattgt tctaggatta ccaagttga 239

<210> 429  
<211> 240  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700906177H1  
<400> 429

ggagagtttt gatcaggcga tacagagaga tgatgtcaag gcaattggtg ttacaggtgc 60  
aaagggaaaa ttttctggag gttttgatat ttctgcattt ggtgggtattc aagaggcaaa 120  
agagcgtcca aaacctgggt ggatatcagt agaaatcatc actgatacta ttgaagcggc 180  
taggaaacca tcagtcgctg ccattgatgg ccttgccttg ggtggaggat tagaagttgc 240

<210> 430  
<211> 234  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700906185H1  
<400> 430

ctcaaacaca actcaccaac acagttggtg cattatttct tttttccaga tccaacttca 60  
aaattgcaat gggagtggaa gatacagata tttgtatcat caaggagcca gatcatgttg 120  
tagtctattc agatggcatt tctcatgatt cgggtcatga agctggaagt ggtcatcaca 180  
atattacaga gtcgtatgaa caaatcaatg agactactga acatcatagt tcag 234

<210> 431  
<211> 235  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700906186H1  
<400> 431



cacgggcggtt ggggtgattc ctgtaatcca tcatatgggtg cattatctga ttatcagttc 60  
 atgcgggccac gtgcacggga caagaagctt gttgaagaat gggcagttcc cttgaaaagc 120  
 attgaagata tatatgagag gtttagactg tattgtcttg gaaagttgag aagcaatcct 180  
 tggtcagaac tagatggtct tcagccagag acaaagataa taaatgagct gctgg 235

<210> 432  
 <211> 268  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700906204H1  
 <400> 432

gcctcatagc tcctttctca tttcacacac acnaagantn ntgagacatc atgaagattc 60  
 caagttccaa gcaactgggt gtgggatttg cacttggaat tgaaggatag gcaacggttg 120  
 agagctgaag aggatgcttt actacgcgca tatgtcaaac agtatgggtcc tagggaatgg 180  
 aatctggtgt ctacgcgcac gaacacacct cttaacaggg atgccaagtc atgcttagaa 240  
 aggtggaaga actacctcaa gcccggca 268

<210> 433  
 <211> 180  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700906205H1  
 <400> 433

ctttctgttg tttctccctc aacncnacnc ancgtgttcc tcttngnctg gntcngnggc 60  
 ttctnncttc cctnggtctc tggcaganag angccanngt tctctncctt ggtctcgatg 120  
 gtgcnggcaa aacctccctc cttcacatgc tcaaagacga gngnttagtt cagcaccagc 180

<210> 434  
 <211> 169  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700906235H1

<400> 434

ggtaaacaac ccatatcata accgtactca ctttcctccg gttcgggctt tttcagcccg 60  
taaccttgca ctgaatatca gtgttggtt ggcatcctgc catgggaaca aacacaacgc 120  
tcctttccct tgctgcccc aactcattcc tttctctttc cacccttta 169

<210> 435

<211> 134

<212> DNA

<213> Glycine max

<223> Clone ID: 700906250H1

<400> 435

gattttcaaa gtttatatatt atttgcagcc aataataagt tttggcgtga ctgaatgaat 60  
atcacccata tattgattga tattgaattt ctgaattctt gtaactgatt tgcaattctt 120  
cgaatctttt aatc 134

<210> 436

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700906253H1

<400> 436

ggcttgctgt ggaagcacac aacatctttg gctttgagac cattcctgaa gagtgcgttg 60  
aagcaacaaa ggaatacatc catggcgaac aatatagatc agactccaaa acagttaacc 120  
aacaagctta cttttatgcc agagacctcg aagtccatcc caaggacaca tttgtgttca 180  
gtatagatgg caccgtactc tctaatttc catactacaa aaaacatgga tatgggggtgg 240  
agaaatttaa ctcgaccttg tat 263

<210> 437

<211> 126

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700906273H1

<400> 437

ccgaatttca ttttcagaag cctctttggg aatcaaattcc gaagcatgat gcattangcg 60  
 agcattgtct cggctccgtc ctacgcgttc ccttttctct ctggctccgc ttccacacaa 120  
 catacg 126

<210> 438  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n. locations  
 <223> Clone ID: 700906279H1

<400> 438  
 ctcacagatg gaaccggaag anaccnccgc ngccgcccgc ggaagcttcg acgaggggct 60  
 gctcgggcta nnnnnnnnnn nnnnnnnnnn nnnnnnnnna gtaaagggtc cgtggtcgcc 120  
 ggaggaggac gccattctaa gccgtctggt gggcaagtgc ggcgcganaa attggagcct 180  
 cattgcgcgc ggaatcagcg gaagatccgg caagtcatgc cggctccggt ggtgcaacca 240  
 gcttgacccc gccgtcaagc gc 262

<210> 439  
 <211> 157  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700906290H1

<400> 439  
 cagagaggaa gagagacaaa tgggtttggg aatgagaaga gagtagaaac aaccgagaga 60  
 aacacataga aaaaggaggc atagccaacc tattcaaacc atgatgcaag gctgtgaggt 120  
 tgatgccatt ggcataaact acacgatcca cacaaca 157

<210> 440  
 <211> 274  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700906306H1

<400> 440

gttaaattgtg gagtaagggg taacactggg ccagcctgca atgtgggttg aatgattgat 60  
cgaatgatat tgggtataca acacctgtac aagagaccaa tatatgcgcg gatgcctgaa 120  
tgcagtatta attctcccaa ctatggacca ttacctctg atgtcctgc ttggtgtcag 180  
gccccctttg atcctgaagg actcctaagt tcagtgatgg ctattgtcac ctgcttgatt 240  
gggttgcaact atggacatat tattgtccat tta 274

<210> 441  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906312H1

<400> 441

gttaataatc gatgttgtat taatcaaata accgatgtac aataacgttt atgcagtagt 60  
ggttgtgttt gaagattgag ggctatatat cttttgggtc gaattataat tcgacacctca 120  
taacttagca ttgatgcag ttgtgcttga ggttcaagga ctatttatcc ttccgatcgg 180  
atcacaattt gatctcaca tttagcctca ccttatgctt gagacttgaa ggttatgtat 240  
ccttcggatt gaattatgcg accatgcatt t 271

<210> 442  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906338H1

<400> 442

cactaactaa agccgagcag cgagagagag aaaccctagc aaaaatgccg gctggtcacg 60  
gtttgagatc ccgcaccaga gattccttct ctcgtccctt caggaagaag ggtaccatcg 120  
ccctcaccac atacctcaga acctaccacg tcggcgatta tgtcgacgct aagggttaacg 180  
gcgccgtcca caaggggaatg cctcacaagt tctaccatgg ccgcaccggt cgcgtctgga 240  
atgtcaccaa acgtgctgtt ggggtcgaag t 271

<210> 443  
<211> 272  
<212> DNA

<213> Glycine max

<223> Clone ID: 700906352H1

<400> 443

caaagaaaaa aaaaaaccct tagccaacac aaccatcatg gccacctctg ctattcagca 60  
atcagcattc actgggtcaaa ctgctctgaa gcagctcaat gagttcgtcc gcaagaccgg 120  
tggcgccggc aaagggtcgca ctaacatgcg ccgcaccgtc aagagtgtct ctcagagcat 180  
ttggtatggc cctgaccgtc ccaagtactt ggggtccattc tcggagcaga ttccatcata 240  
cctgaccgga gaattccctg gtgactacgg at 272

<210> 444

<211> 106

<212> DNA

<213> Glycine max

<223> Clone ID: 700906391H1

<400> 444

caagttttct ggtgtaatga acattttgcc agtgaggccc tagcagccta atctgctttt 60  
tgtggttata tggctctgta taaaatttaa ttacagcagc tcttct 106

<210> 445

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700906396H1

<400> 445

ttacaaattg tcatacttgt tggtggaact agaggcgacg tacaaccttt tctggccatt 60  
gcaaagagac ttcaggagta tggatcatcat gttaggctgg caactcatga taattttaaa 120  
acatttgatga agtcagctaa tgtagatttc taccctctgg gtggtgatcc tcgtattttg 180  
gctggatata tggcaaggaa taaaggttta atcccttctg gaccggctga aatatctgtc 240  
caaagaaagc agctgaaggc 260

<210> 446

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700906442H1

<400> 446

cgaaatcttt aatccacagc atgtgcttta cgctacctgt atatatgtaa gatgggtcaaa 60  
attctttcaaa tactttttttt attgtatagg agcagaacca gaagagaagg ctcaaccaca 120  
aagggatcca atttcatttt tcattcttctt cttcttcact ctcttttatg gctccaagca 180  
agctcaattc ctctgggaaat actagtatgc catgttcaca ggctgagaat ggttttgtca 240  
attccttttc tctcttcccc gagaa 265

<210> 447

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700906468H1

<400> 447

ccgggcaatg ggttttctcc ccagaaatcc caaccgatgt tattgttgca gttggagaat 60  
ccactttttc tctccataag tttattctgg cggctaagag taactacatc agaaaagtga 120  
taatggaatc agaggagagt gacctaacaa gaatagagat ttccaacata cctggaggac 180  
aagaagcttt tgagaaagcc gcgaaattct gttacggcgt taacttcgag atcaccttc 240  
acaacgtggc ggcgctgcac tgcgccgcc 269

<210> 448

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700906470H1

<400> 448

ccggagtttg attcacctgt cggagagttt ctgcggcggg ggaggggtgc ggagggatca 60  
gtttccgaag gggtttcggg cggagaggga gcgatcgagg agggagggga gcgtgtcgtc 120  
gaccgcccgc cgtttcgtcc atgcagccgc tgccttctcc taaccccgtc gacacctccg 180  
ctgtttctca gagactccaa aaggaattaa tgactctcat gatgagtgga ggagatcttg 240

gggtatcggc ttttctga

259

<210> 449

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700906495H1

<400> 449

ctctggcaaa gcacctgtta gacaaaaagt tcatttatca ttagcccg gacagaaaat 60

ctcatcaatc aaatttgcta gctttggtac tccagcaggt tcttgtggaa acttccatga 120

aggaagctgt catgctcaca agtcttatga tgcctttgaa aggaattgtg ttggacagaa 180

ctggtgcaca gtaacagtgt cacctgaaaa ttttggagga gatccatgtc caaatgtctt 240

gaagaaactc tcagtggaag ctatctt 266

<210> 450

<211> 79

<212> DNA

<213> Glycine max

<223> Clone ID: 700906502H1

<400> 450

agcgatatct gaaacaggct attgtagaca agaatccagt tggtgcaagt gcagccctag 60

ttagcggcat tcatatact 79

<210> 451

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700906522H1

<400> 451

caagcaccgc gcgcaggagt atgtcagcca cgacaacgca gcagcgcttc tggctgctgg 60

ccttgctcgc acctttgaca gaatgcctta tctgctgtct ctgtcttctt ttgtggctga 120

cgatgttgcc gctgctgttc ctgctgtca agatctgggg gagcagtggt cttattaatg 180

gatgtgcttc aattcaaata gtctcgact agtcatcatt ccttttgctt ctgttgcttg 240

cttggttggt cttcttct

258

<210> 452  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906527H1

<400> 452

gagctattgg gagctaggaa ggcataccat tccctctttg accactccat tgaagaagat 60  
gttgccctctc acatccatgg cattgaaaga aagctattgg ttgccctact aagtgcctat 120  
agatacgaag gaacaaaggt taaagatgac actgcaaaat cagaagccaa aatcctttcc 180  
aatgcaatta agaatgctca taagaagcct attaatgagg atgatgaagt gataaggata 240  
ttggcaacaa gaag 254

<210> 453  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906541H1

<400> 453

ctctattttg cggttcattct gttttccagt tgaagtcttt ccctagccaa tggccactga 60  
tcgtttgacc cgggttcaca gtctccgtga gaggcttgat gaaaccctca ctgccaacag 120  
gaacgaaatt ttggcccttc tgtcaaggat cgaagctaag ggcaagggga tcttgaaca 180  
ccaccaggtc attgctgagt ttgaggaaat ccctgaggag aacaggcaga agcttactga 240  
tggtgccttt ggagaa 256

<210> 454  
<211> 109  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906544H1

<400> 454

tgagattttg ccacactgta gaaggggtgt tcttgtaatt tcatcgcttg gaatcatcca 60



gaagcaaacc cccacttttag cctcttttggg tttgttctgt tectactcc

109

<210> 455

<211> 90

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700906560H1

<400> 455

cttcgatcaa accgttcgag aaataaagag agaggtgaat ctgaagggtgc tcacaattcc 60

acacaacatc acgagtcgag cganaggggg 90

<210> 456

<211> 59

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700906665H1

<400> 456

tttcccttct gagcttngat tagtgngggc tagttgttgt tttctccgac ccncnangc 59

<210> 457

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700906723H1

<400> 457

gtttctgaac gtgttggttca tttggctttc ctcccaagtg ctgggattgg ccatcttaac 60

ccatgtctta gaatagcagc actgttcctc cgctatggtt gcaaagtcac tctcatcact 120

cccaaacc caagtctctc cgctgaatca aacctcatct ctgcttctg ttcttcttc 180

cctcaccaag ttaccggaac agacttaa atctcatccctt tggatccaac cacagttaac 240

accagtgacc ctttttggct tcagtt 266

<210> 458

<211> 271

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700906733H1

<400> 458

agtttcccta cccgtcaggc cctgggtggc cacaagcgt gccactacga cggcgggaac 60  
aaccacagta acagcaacgc caacggaaac aacagcagcg gcgccactac ctccgacggc 120  
ggcgctgcct cctcctccca cacgctccgt gggtttgacc tgaaccttcc ggcgccgctg 180  
acggagttct ggangccgat ggggtttgat ttcgggaaga agaaggtagg cgggtgaacaa 240  
gagggtgaaa gcccgttgcc ggtaaccgcc a 271

<210> 459

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700906740H1

<400> 459

ctgaatcatc cttctcatgc tgcaattgga cttagactca gactcaaacc ctaccaaac 60  
aatttcacct gcaaggcagt tttctccgac gatgccccct ttgccgccgc aatcggtgct 120  
tgcatgttca cttctttgct tttaccagtc tctacttcct ccgaagacga cgatgccgac 180  
tccgccgtca ccacaaccga cgcaaggctc gccgtcatgg ggattctcag tttcatcct 240  
tatttcaatt ggctcacttg ggttt 265

<210> 460

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700906801H1

<400> 460

cagtaattgg tgtggattcg aaaaagatga aggtttggag atgggtggtg agtttgatgt 60  
tagtgggggtt actgcccgtg tcaacaatgg gtcgattcgt ggtggagaag aacagcctga 120  
gagtgcacatc gccggaaaaa taagaggac acacgacagt gccattggca acttcggaat 180  
acctcaatac ggtggttagca tggccgggaa cgtaatttac cctaaggata aaaaaaggg 240

ttgcaaagag ttcgatgagt tc

262

<210> 461  
<211> 259  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700906813H1  
  
<400> 461

gtcagtttcg ggggaagaga tccagcagca atggtgtacg tcaaggctca gaaatcaaaa 60  
gcttacttca agagatatca agtcaagttc aagagaagaa gagagggaaa aaccgattac 120  
cgtgccagga ttcggtgatt aatcaggaca agaacaaata taacactccg aaataccgat 180  
ttgtggttcg ctttagcaac aaggacattg ttgcacaaat aatatctgct agcattgccg 240  
gcgatttagt tcttgctac 259

<210> 462  
<211> 246  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700906858H1  
  
<400> 462

cccaaattga aagttccttt catacttagg acgcctgaca tgtcagccat gcaccatgac 60  
acaagttctg atctgaaagt ggttggaac aagttaaagg atatattaga gatctcaaac 120  
acatccttaa aatgaggaag atcgttggtg aactgtgtga cattgttgct actcgcgag 180  
tcggcttgct gctgctggta ttttgggcat ccttaagaaa ataggaagag acacagttaa 240  
ggttgg 246

<210> 463  
<211> 270  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700906912H1  
  
<400> 463

caaaaactcc cgttttctct ctctgttttt ccatggccat ctgatcaaac ttttcttgat 60  
tctctctctc agtttttgct attctgagt atgggtatgc cctgccgctg ttcccacacc 120  
tcccacatca ntgaaatcat catcaccagc ttcttcgcc acaagtctta aattacaaca 180  
atttcctca attattcatc aaccaaccac cttaatagcc ttttccaatg gttccttaaa 240  
gatccaactt ggtcggagta aacatggcgg 270

<210> 464  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906929H1

<400> 464

aaaatttaga aacaaaaaca tggtggtgaa ggtgtacggt ccaacctatg gagcccccaa 60  
gagggtgctg gtgtgtctga ttgagaagga aattgagttt gaaacagtac atattgatct 120  
cttcaaggga gagaataagg aacctgagtt cctaaagctg cagccatttg gatcacttcc 180  
tggtattcaa gatggtgatt atactctcta tgaatctcgt gcaataatca gatactttgc 240  
agagaagtat aaagaccaag ggaca 265

<210> 465  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700906939H1

<400> 465

ggaaatatca atatgctgct tgacaatgta acgagcacta gcactagcac taacactagc 60  
aaatatcctc tattgagaag aaggcgtagg ttgattgtta tagcacttga tttgtatgac 120  
aataatggag ctccggagaa gaaaatgatt gagatgggtgc aaaagataat taaagctgtg 180  
caactagacc ctcaaactgc tagagttaca gggtttgctt tatcaactgc tatgccagt 240  
atagaaacag tagagttcct a 261

<210> 466  
<211> 256  
<212> DNA

<213> Glycine max

<223> Clone ID: 700906968H1

<400> 466

agtaactgcc ctctttggcg gtttcattct ttggaggcat gacgcagaag ccttatggtt 60  
tacagcaggg tctgttctga atgctatgct ttctgttttg ctcaaacgta tactgaatca 120  
ggaacggcct tcaaccctga aatctgaccc tgggatgcca tcatcacatg cacaatccat 180  
attctttact gtcttctttg ttattttgtc aggcgtagaa tggcttgggc taaatggatt 240  
caccattgcc atcagt 256

<210> 467

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700907037H1

<400> 467

gattacccat agatagagag cgcggcataa cctaaactta cccttcttct ctctgtgtgt 60  
gtgcgcatca aacgcaacca gaagcagcca tggccactgc aagaactgtg aaggacgttt 120  
ctcctcatga gttcgtcaaa gcttactctt ctcacctcaa gcgatctggc aagatggagc 180  
tgccagagtg gctgatattg tgaaaactgc aagatttaag gagttggctc cttatgatcc 240  
tgactggtac tatgtcagag ctgctt 266

<210> 468

<211> 56

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700907048H1

<400> 468

ccactctnca gttaganngg aaccaccaat gccaacgtgc tgnccatacn accntg 56

<210> 469

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700907076H1

<400> 469

atTTtgatag gacgaccctt tggTgtttgg atcttcaaga aagagagacc cttgggattt 60  
cgTcaccatg agTctcttcg gtcttggaaa cagaaaccaa aaaacatttc gtccaaaaaa 120  
gagTgtcca tctggaagta agggTgtctca acttcaaaaa cacatcgatg ccacgttggg 180  
tagTgggaac ttgagggagg ctgttaaact gcctcccggT gaagatatta atgaatggct 240  
agctgtaaac accgtggact tc 262

<210> 470

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700907080H1

<400> 470

ccaagtgaag aagcaactaa gcatagtgtg taagaaaggg agaaaaacaa gtgctgtgta 60  
gagagaaaaa tggctaggTg gtgcatgatc ttggTggttc ttgctcttgc cgtgggttgca 120  
agTgccagaa acatgccccaa tgacgctggT ttggaggacc agaagaactt ccttgggtat 180  
gggttttcgg agttggcaac aatggccttc cctttggtgg agTgggttct gggtttgatg 240  
gtaatatggg tgggccttct gg 262

<210> 471

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700907118H1

<400> 471

ttccgtttcc tagtctcaca cccaaacctc atggaaggct ctgtcaacga acgtcttgat 60  
tttgggaaga tgggatatgg gtgcaatcat taccggagaa gatgcaggat tcgtgctccc 120  
tgctgcaacg agatctactc atgccgtcac tgtcataacg acgctgagag cttgttgaag 180  
aatccctttg atcgccacga gctcgttcgc caagatgtta aacaagttgt ttgttcagtt 240  
tgtgacactg 250

<210> 472  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907135H1

<400> 472

gtatattatt aaactgtgca agatcatata gtcgctttga atgtgggtcca catagcttat 60  
tttgcattaa cttttctact ctagcaaagt tcattgtgca ggctagctac cataaaaccc 120  
tggtaaaatg ctcaaagaaa atattgttag taattgaatg acttgatgaa aaggactata 180  
aatctgtaag gcatagaatg tgtcctgcca ttgcagaatg tgagagattt ggcactgtaa 240  
tggtcaag 248

<210> 473  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907138H1

<400> 473

aatactagta cagataaaga atgctcatca agcaaaaaag ttaatcatcc ttgtaatctt 60  
tgcaaggctc agtttcaaaa ccaccacctt ccctctctc caacgtgtat ggcattgtagg 120  
taccgaagat tttgtccac ataacgaaga atggctgcga gaagttgtac ttgttgccat 180  
agagctgggtg atgtacatca tggtaggctg agttgtttt gaaaaagatg tggaaaagggt 240  
tcccgggg 248

<210> 474  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907155H1

<400> 474

agaaggcaag atgtcgaaga gaggacgcgg tggttcggcg gggaacaagt tccggatgtc 60  
gctgggtctg ccggtggcgg cgacggtgaa ctgcgccgac aatacggggg cgaagaacct 120

ctacatcata tcggtgaaag ggatcaaagg gcgtttgaac cgtctcccct cggcttgcg 180  
 tggcgacatg gtgatggcca ccgtgaagaa ggggaaaccc gatctgagga agaaggtttt 240  
 gccagc 246

<210> 475  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907157H1  
 <400> 475

ccaacatctt gcttgatgag aatttcacag ccaaggtttc tgattttggt ctttcaaagg 60  
 atgcaccaat ggggcagggt catgttagca ctgctgtgaa gggtagcttt gggtatcttg 120  
 accctgagta cttcaggagg cagcaactga ctgaaaagtc tgatgtgtac tcatttgggg 180  
 tggttctgct tgaggcactc tgtgcaagac cagccatcaa ccctcagttg ccccgcgaa 240  
 aa 242

<210> 476  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700907167H1  
 <400> 476

ttcacagctg atctatttgc catgaaccac acagatttca ttntcnacca gtaccttcca 60  
 ggagattgct ggaagcaagg aactgttg acagtatgag tctcacacag cctttaccct 120  
 tcttggaactc taccgtgttg tgcacggcat tgatgtcttt gatccaaaat tcaacattgt 180  
 ctccccctgga gctgatcaaa ccatttactt cccccccacc gaaactagcc gtaggttgac 240  
 ctccttcc 248

<210> 477  
 <211> 258  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700907214H1

<400> 477

ccaacttggt cccatatccc agaatccatt tcatgctttc ctccatgct ccagttatct 60  
ctgctgagaa ggcctaccat gaacagcttt cagtggctga aattaccaac agtgctttcg 120  
agccatcgtc catgatggcc aagtgtgacc ctgccacgg aaagtacatg gcatgttgcc 180  
tgatgtaccg tggtgacgtt gtgccc aaag atgtgaatgc tgctgttgcc accatcaaga 240  
ccaagaggac aattcagt 258

<210> 478

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700907219H1

<400> 478

ctaagataga tctcgagatg ggctcgtggca agattgagat aaagttgatt gagaacccca 60  
ccaacaggca agtcacctac tccaagcgaa ggaatggtat cttcaagaaa gctcatgaac 120  
tcagtgttct ctgtgatgcc aaggtttcac tcatcatggt ctctaaaaac aacaagatgc 180  
atgaatacat tagccctggc ctccagcaca aaaagatcat tgatcagtat cagaagactt 240  
tggggggatat tgat 254

<210> 479

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700907227H1

<400> 479

gtcagccgaa aagataattc tagtgaagag atggatagac taagacgttt gtggatgtct 60  
cttcttccat ttggatttct gttgttcttt agttcagctt tcatcggagt acctggtgcc 120  
cttgcttga gcaaagaggg tcatgttatg acatgccaaa ttgcacaggc acttttagag 180  
cctgaggcat cggaagccgt gtaccaattg ttacctgacc atgtcaaagg taacctatca 240  
gccctctgca catg 254

bioRxiv preprint doi: <https://doi.org/10.1101/000000>; this version posted January 1, 2015. The copyright holder for this preprint (which was not certified by peer review) is the author/funder, who has granted bioRxiv a license to display the preprint in perpetuity. It is made available under aCC-BY-NC-ND 4.0 International license.

<210> 480  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907234H1

<400> 480

gggtttgccg tgtttgcgtt ctttgttcca tcggagaaga cccttttccc ttttagcttc 60  
actcttttct ctctctttat ctgtcaacga tccaagtcta cttctgaagc atctttttac 120  
tgtcacttga catggcatca agacaccgtg ttcacagaga acccttgaat gctcgaaggg 180  
gttaccacc ggaagggcca tatgctcggg tggctcccat gcctcgacca ctgcctccta 240  
ttcctcctca tccgt 255

<210> 481  
<211> 107  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907235H1

<400> 481

gagggatcct tgcttctgtg gactcaagag tgctagtttt ggcaggatca acagtgggtg 60  
gtggctctgc tgtaattgg tcagcctgca ttaagacccc acacaac 107

<210> 482  
<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907301H1

<400> 482

ctaccatcca gcgatctgaa agtgtaaatt ctttctttga caaatatgtt cataagaaga 60  
cctctgtcca agattttgtc aaacagtatg aagcaatctt gcaagacagg tatgaagagg 120  
aagcaaaagc agattctgat acatggaata aagtggcaac cttaaaaact ctttctcctt 180  
tggaagaagag tggtgcaggg attttcacac atgctgtatt caagaagatt caagctgagg 240  
ttattggtgc agttgcttgt catcctaaag ctgaca 276

<210> 483  
<211> 270  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700907314H1

<400> 483

gtgaaccttc tagaactata atagacttat attccatggc tccgccgctc gaacacaacg 60  
gcggtttccac cagcgggtgac tctctgagat ctattccgac gccgtttctc accaaaacct 120  
tccaactcgt cgacgatcac accatcgacc atgtgatttc gtggaacgat tctggatcgt 180  
ccttcacgt ctggaacacc acggtttcgc caaggntttg ttcnaaata tttcaagngc 240  
nncaactnct ccagcttcgt tngcnaatca 270

<210> 484  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907315H1

<400> 484

gcagagagta acctctcaat cctagcttca attatattga ttttttcaca tttctaaatc 60  
cacctctacc atatatatct ccctctaatt aaacctctct atccatatct aaaatttcaa 120  
aaagatctca attaattaga tttccctctc tctttctctc tctaactata ttgcaaacct 180  
ttccctctgc tttcaaaatc agcaaattca tgggtcttag agacattggg gcttcactgc 240  
ccccagggtt tcggttttac ccgagtgatg agg 273

<210> 485  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907328H1

<400> 485

cactccctcc tcttcacaca ttttcttagc tctctccaac aatccctctc gttcacactt 60  
tcagattgtg tgaagatggg ggctggtggc cgaactgctg ttctctctgc caacaggaag 120

tcagaggctg accctttgaa gcgggtacca ttgaaaaac ctcagtttag tctcagccag 180  
 attaagaagg ccattccacc tcaactgtttc cagcgctctg ttctccgctc attctcctat 240  
 gttgtttatg acctcaccat agccttctgc etc 273

<210> 486  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907347H1  
 <400> 486

ctctaccact ccgattgcat cagccgtgg atagaactca actcgtcgtg tccgctatgc 60  
 aggtttcggg tggaggaaga agaggaggaa ggtggtgacg ccgacgctga cgcgcacgcc 120  
 gttatgacgg agatcaggag ggagatcatt gcgaggctga cggagctgac ggaggaggat 180  
 ttctacgggc tcaggaccac gctcagccac attgcctcgc gccacgcgct catcgaagag 240  
 aaccagaatc atcgcgcgca gattggcgag 270

<210> 487  
 <211> 269  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907370H1  
 <400> 487

ctgcaattca ctctgtacaa ttcttcgttc gttctctgca gttatatact ttttgagctt 60  
 caatggcgga cgctgaaacc ttcgctttcc aggtgagat caaccagctt ctaagtctca 120  
 tcatcaacac attctacagc aacaaggaga ttttcttgcg tgaactcatc agcaatgctt 180  
 ctgatgcttt ggataagatt cgattcgaga gcttaaccga caagagcaag ctcgatgctc 240  
 agccagagct cttcattcgt cttgtgcct 269

<210> 488  
 <211> 268  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907378H1

<400> 488

cccaagagtt gaagaagaat cagagttcag aatccatggc aggtgctata gtaaagtacg 60  
gaatcatagg agtaggaatg atgggtagag agcatcttgt gaatttgtag catcttcgca 120  
cccaaggcgt ggcagttggt gctattgctg accctcatct tccctctcaa caactcgctc 180  
ttgacttagc acactccttt acttggcctc tcaagggttt ctcagggtcac caggagctgt 240  
tggacagtgg actatgtgat gttttggt 268

<210> 489

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700907395H1

<400> 489

aaattaacac ccctgaattt cacactcct ctcccaaact catcatccta taatacaaag 60  
ggtttggaat atatatcaa tatcaaaata catcacaaca taaaatggc ctcaattggt 120  
actatggcca ccattgtcac attagtctc gcactagcat gttgtggcat gtctgccccg 180  
acctcagtgc cgaaaaccac tgcagcggcc ccggccccgg agagcaatgg ctgcttgatg 240  
gcactagcaa acatgtcaga ttgtct 266

<210> 490

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700907401H1

<400> 490

gcaacccttt ggatgccact tgttccaatg ctccggaata tgtcttttgg gatagttatc 60  
atccaacaga aggagtttac agaaagctcg taaattatgt tcttgaaaag tacatagatc 120  
gattgttttg agctcgatta agtttgcta cggaagtaa tatcaattat tagttatggt 180  
gatgtcaacg aagacaatga gtattttgat ttgtcgagtt ttggtgtgat tgttcggtac 240  
ttttttaga tttcaatgtt c 261

<210> 491  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907407H1

<400> 491

agcagtggca ctccgcgtgc aaggtgatcg ttcagtgttc tttgattgcg ctatgcgtgg 60  
ttaccaagac acattgtatg cccacgcca tcgtcagttc taccgcaact gcgaaatctc 120  
tggaacaatt gacttcatct tcggctactc caccaccttg atccagaact caaagatctt 180  
ggtgaggaaa cccatgccaa atcaacagaa tatagtggcg gctgatggca caggccagaa 240  
gaacatgccc actggag 257

<210> 492  
<211> 161  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700907410H1

<400> 492

caggattgtc tgaggatttg atttccaagt atttgacaga aacantatac tgttcatctg 60  
agcaaagtgc aagaagaaga agcttgttgc atatgtcctc ctcatggaag ggtgtcatca 120  
tcagatgcaa atgcttttaa tcacgaggca agtcatttcc t 161

<210> 493  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907460H1

<400> 493

gtgatggtct tgggtgctgag attgttggca ctttcatcct tgtttacacc gttttctccg 60  
ccaccgatgc caaacgtagc gccagagact cccacgtccc ctttttggca cccttgccaa 120  
ttgggttcgc tgtgttcttg gttcacttgg caaccatccc catcaccgga actggatatca 180  
accctgctcg tagtcttggg gctgctatca tcttcaacaa ggaccttggg tgggatgaac 240

actggatctt ctgggtggg

259

<210> 494  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907475H1

<400> 494

gcgtgacaaa agcaaaagga aagaatatca acaaggtaaa gtagattcct tactagacat 60  
ggcgttgaag gacacattct acatatctca tggatcacca actttgtcca tagatgaatc 120  
cattcaggcc aggaagtcc ttcagtcacg gaagaaggac gtgtttcctc aaagaccctc 180  
ttcaattctt gtcattctctg gtcattggga aaccgcagtt cccacgggtca acgtcgttga 240  
ctccatcaac gaca 254

<210> 495  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907502H1

<400> 495

gtttttcagg tgtcaagcat gcaacaggac ttcagaattg ttgggttggg ttaaagatgt 60  
cttccagcac tgtgcaccgt catgggatgg agaagcctta atgaggggaac ttgattatgt 120  
tagtaggatc tttcatggga gtaaagaccc ccgaggaagg aagctatattt ggaagtgtga 180  
tgatctcaag gaaaaatttt taagtaaaaa aatggattca aaagctgttt gccgggcaat 240  
actgatgttt ttccaagagc ttg 263

<210> 496  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907508H1

<400> 496

aagcgagggtg tgggggcaac acgtccccgt gaataactcc attgaggcat tgacagcaac 60

acgtcatcgt ttcgtgtgct gctaccgtct gggcgcacgt tagactacac ctgtcctatg 120  
 tcatttgctc catcctcgtg cccccctctc gtcgttttta aaccaaatac tattagttat 180  
 ttaatatcat taagatatta gtatatctat ttctctttct ctgtcataca taacctttta 240  
 caagagttat taaaata 257

<210> 497  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907511H1  
 <400> 497

acggttcagc ttggaggcag ccagagaagg aggagatggc gcataaagtt agctcgtaag 60  
 atcagaattc caaaatctc ttctccaaag aaattggtgc tgtgggtcag agacgcctac 120  
 gtcaggatga tgctgggtat ggctaactcc atgggtgcct ccgccgtcgg ctacggcgga 180  
 gacgccgctg tcaccgcca gggtggattc gagagggccc caccgcccaa ggagtacgac 240  
 cagaagatga tcat 254

<210> 498  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907519H1  
 <400> 498

ggttgataag tactactata atagtataac taaggaagga gtaaggggtga tgggtggttct 60  
 gatctgactt ttggcgggtgt gggagtcacg agagcagcaa ggggaagtca caagagtcac 120  
 aagaatggag agaggttcgg gcaagctgag caggaagaaa agtgggtggtg gaaacggaca 180  
 ggttctagac ggttctaata ttatggagtt ggttggaac cagcaagttt tcaccacctt 240  
 cgtggaccat aagttt 256

<210> 499  
 <211> 254  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700907525H1

<400> 499

aactcaattt ttctctcaac cggcccaatt tagcataagc ccagcatggc caccgcaaca 60  
gcagcagcca cctcgtcctt catggggacg cgcctcctgg aggccactc cggggcgggg 120  
cgggtgcagg cccggttcgg gtttggcaag aagaaagccg ccgccccgaa gaaagtttcc 180  
agggggtcgg gctctagctc cgataggccc ctgtggtatc cgggcgcca ggcgcccag 240  
tacctggatg ggag 254

<210> 500

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700907528H1

<400> 500

tggcgtccat ggccacttct ttcacccaaa cctccttccc ctcccactct ctctccaaaa 60  
ccttcgatac ccatttcgcc ccattccccga aagtcaacgt atttgcgaaac ttcccggcga 120  
ggaggcacgt gggggttcga gtttcgaacg cgctgatcga accagacgga gggaagctgg 180  
tgagagcttg ggtgagggat aattcagaaa gagacttgaa gaagggtgag gctctttcgt 240  
tgccgaggat ca 252

<210> 501

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700907534H1

<400> 501

cttctctggt tgattcggat ctagagtctt cagtttctcc tcgttggtct tcgctttcct 60  
gttttcaatt tcgattcttt cgttaattta ataagatggt tgggagggca ccgaagaaga 120  
gcgataatac gaggtactac gaaatcctcg gcgtctccaa gaacgcttcg caggatgatc 180  
tgaagaaggc ttacaagaaa gccgccatta agaatacccc cgacaagggc ggtgatcccc 240  
agaagtttaa agagctgg 258

<210> 502  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700907535H1  
  
 <400> 502  
  
 aggtggtctc agtgtggttt atcatcaact tgacgtagta gactattcat ccatcaacca 60  
 gtttggtgag tgggtgcggg aaaattgtgg tggtttagat attctggtaa ataatgctgg 120  
 tgtaattttt aatcttgggt ctgataactc agtcgaaaat gctcgtaaag ttattgaaac 180  
 aaattattat ggcaccaagc gtatgactga agctattatt tcattgatga agccatccct 240  
 tgttggtgcg cgt 253

<210> 503  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700907539H1  
  
 <400> 503  
  
 gaatggtata atactaatgt ggggccttta gatcaaagaa agagcaccgt ggacccagca 60  
 ttggtgactg ctgaagaagg cgctaagggt gtaaagggtga tgcaagatgg cagtggggaa 120  
 ttcaagacca tcaactgatgc cattaaaagt atacctagtg ggaacactaa gcgtgtaatt 180  
 atttacattg gagctggaaa ttataatgag aaaatcaaaa ttgagaagac aaagcctttt 240  
 gtcaccttgt a 251

<210> 504  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700907542H1  
  
 <400> 504  
  
 tcCAAatggc cctttacatt aactaataa ttggcctcct agtaaacc ctagtactct 60  
 ataaatagca ttgcatgca ccttagtctt caccaaaata ctctcttgg catcttgtgt 120

tgtgtccctc ttttaagcta tttccttctc ttaacacaat tggttgtgcc aattgccata 180  
 gtcaccaacc aattaacaaa ggtatatata tcatcatatc atcaccaa at gaaaaatatt 240  
 gggttgtttt t 251

<210> 505  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907549H1  
 <400> 505

ctggttttct gctatgacta tgaagagtgt gggaagtgt gctctgaaga tggttgaaga 60  
 agtacgcagg caattcaaca ccattccagg gttgatggag ggaactgcta agcctgacta 120  
 tgccacatgt gttaagatct ccactgatgc ttccattaaa gaaatgattc cacctgggtgc 180  
 tcttgtcatg cttacaccgc ttgttgttgg aatccttttt ggtgttgaaa cactttctgg 240  
 tgtcctagct ggatctt 257

<210> 506  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907551H1  
 <400> 506

atagcccaag ccctatacaa ccaaacccta acacacaccc atttgattca gtttccatgg 60  
 ctagcctcaa gggtgcattt ttggctgcag tgctctgcat gggtgtggtg agtgcacca 120  
 tggcacatgc agctatcacg tgcgggcagg tgacgaatag cctgatcaat tgcacggtt 180  
 acctccagaa cggaggaacg ccgccgtcgg gatgctgcaa cggagtgaag agcctcaatg 240  
 ccgccgcaa gac 253

<210> 507  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907554H1

<400> 507

agttgctctt cttctttttt tcttttcttt caccctcaaa atttctcact ctcttttatct 60  
tcaccttttc agtttaaagc ttcagatcac aacagatcca ccattcacct caccactttc 120  
tcttcacaag gcaaactctaa caagaaaaag tagtctctga agccgatcca gtgtcttgtg 180  
aatttggaat tggtagtgaa tttagatcta aaaagccata gcaatgtctt ttatcggtac 240  
ccagcaaaa 249

<210> 508

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700907555H1

<400> 508

gctgattggt gtgttcttgt atatgatgtt aattcaatga aatcatttga caaccttaat 60  
aactggaggg aggaatttct gattcaagca agtccttccg atccagagaa ttttctttt 120  
gttgatcatag gaaacaaaat agatattgat ggtggaaaca gcagagtggg gtcagaaaag 180  
aaggctcggg cttggtgtgc atcaaaagga aatattccat attttgagac atctgccaaa 240  
gaaggtatta 250

<210> 509

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700907566H1

<400> 509

aacacaaagc acaaagcaaa gctcatcctt gagttaaaaa atggcagcag cttcttccat 60  
ggctctctca tccccatcct tggctggcaa ggccgtgaag ctgggcccac cagccccaga 120  
agtgggaagg gtgagcatga ggaagaccgt caccaagcag gtctcctcag gaagcccatg 180  
gtacggccca gaccgagtca agtacttggg cccattctct ggcgagcccc cgtcctacct 240  
aaccggtgag ttcc 254

<210> 510

<211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700907571H1  
  
 <400> 510  
  
 gaactagaaa gcatccctag caaaagtcaa ggttggtccc ttgctgcaat cgccggcttc 60  
 gaaatcgctg tcaattatgg catcacactg tgtaatggcc gtgacgcctt caaccctctt 120  
 tctctccttc ctcgaacgcc tccaagaaac agccttcgaa accttcgccc attccaactt 180  
 cgatcccaaa acctacgtgg acatgcctct caagtccgcc ctcacggtta ccgaggacgc 240  
 gttccagaag 250

<210> 511  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700907573H1  
  
 <400> 511  
  
 ccaaaggcca atgaccaata tttgcctcct tttgttattg ttgacgagag tgggaaacct 60  
 gttggtccga tagttgatgg tgatgctgtt gttacattca acttccgagc tgatcgtatg 120  
 acaatgattg ctaaagctct tgagtatgaa aattttgaca aatttgatag agttcgttac 180  
 ccaaaaatcc gctatgctgg aatgcttgaa tatgatgggtg aattgaaact tccaagtcac 240  
 taccttgt 248

<210> 512  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700907575H1  
  
 <400> 512  
  
 cttagccacc aagtagagac cgaataacaa tgagtattct cttcccaaga agttcctcag 60  
 cagcaaagag gaaaagggtc attagagaac ttgttcaggg tcgagactat gctactcagt 120  
 tgaagtttct gcttcagaag cctattggcc ctgatgggtc tgtttctgct aaggaacttg 180

tggccaatgt gctgagatct ttcgctgaaa ctctctctgt gttgacttct tcttccgagg 240  
attca 245

<210> 513  
<211> 245  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700907576H1  
  
<400> 513

ataaagtccg tgaaacaaca gctttcatgg ttccattggt ggctgggtgat ggaacaaaaa 60  
ctcaggcact tgctgtttgc cactcagata cttctggaat gaatcatcac atgcttcatg 120  
aactcatggg agttgaccc t ggaactaacc ctgtttgcc tttccttgga agcaaggcca 180  
ttttatgggt acccaattta tctatggaca ctgcctatca gactaacgtt gttgtttaat 240  
tagtc 245

<210> 514  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700907584H1  
  
<400> 514

caacgatcag cgcggttcag gtggagttcc tggagtttcc agcgggtggtt acttcaccag 60  
cctccggcaa gacctatttc ctccggcggcg caggggagag aggattgacg attgagggga 120  
agttcataaa gttcacaggc ataggagtat acttgaggga taaggcgggtg ccatcactcg 180  
ccgctaagtg gaagggtaaa acttcagagg agttagttca caccctccac ttctacaggg 240  
atatcatt 248

<210> 515  
<211> 245  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700907585H1  
  
<400> 515

ggagtgtctgg ggggtgagatt ggcgccacca ctaggcacta taggagtgtc tccatggata 60  
gtttcattgg gaagttgaat ttcgatgagg agtcgccccaa gctgcctcct tccccgggc 120  
agagaagtgc tctgatgtcg cctgctggtg gaattgatgg gaattcggcg gccttcagct 180  
tggagtttgg aaatggggag ttcagtgggc ctgaactgaa gaaaattatg gccaatgaaa 240  
agctt 245

<210> 516  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907589H1

<400> 516

catcaatcct cgttgcttta ttgaggcca cattatacgc atctctccat ctctctctcc 60  
ttacctctc aaaatgcgtc ttcctcgcca gtcatttgc tctatgagat agaactctgcg 120  
cgagaaagcg acaccaatcc ttgcaataga gatggtggtt accagaaata ttgtgttggtt 180  
actgctttct attacttttg ttgctccaat tgtgctctac actgatcggtt ttggcacctt 240  
caagta 246

<210> 517  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700907612H1

<400> 517

catagccgcg cacctgcca agagaactga caacgacatc aagaactact ggaacaccaa 60  
catcaagaaa ggactcatcg gaaagggtt agatccccctt acctacaaac caataaaatc 120  
caacactttt caagcctatg gtggtaattt ccttgaccct tccattgaca ccaccaatat 180  
gaaccatgtg gctcaatcgg agagtgtctca aatcgaagcc gaagcaagag aatctatgtt 240  
gcatttggat ctct 254

<210> 518  
<211> 252  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700907613H1

<400> 518

tgaaccttcn agaactataa tagacttata ttccatggct cngncgctcn caacacaacg 60  
ncgtttccac cagcgggtgan tctctgagat ctattccgac gccgtttcnc accaaaacct 120  
tccaactcgt cgacgatcac accatcgacc atgtgattnc gtggaagatt ctggatcncc 180  
cttcacgtc tggancacca cngctttngc caaggattgn ntcctanana attnaagggg 240  
aacaacntct cc 252

<210> 519

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700907621H1

<400> 519

ataaagggtga aaaggagttg cactcactga atgcggatag agttactcaa ggtctaagta 60  
ctgtatggag tttgattctt ctaaggcctc ccattcgaga tacttgctta caaattgctc 120  
tacagagtgc agtgcacac ctggaagaag tgcgtatgaa ggcgatacgt ctggtggcaa 180  
ataagcttta tcctctgtca tccatttcta agcaaataga agatttttca aaggaaatgc 240  
ttttctccgt gatgagtg 258

<210> 520

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700907625H1

<400> 520

gaccgacacg cttttattat taattgcgtc cttttcttct ctaataccct cctccgatgg 60  
aaggaatgtt acgcgactct ctcttgctgc ttattatgaa ttactacaag tactcacaag 120  
agaacgtacg acaaggtttt gttctttatt ttatcgtcaa gagaaacaga ggaggttgaa 180  
gcaaagccag ggtaagagga gaaagatagt ctccctccat attgatttca attgttatga 240



ataaataaaa agg

253

<210> 521  
<211> 250  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700907647H1  
  
<400> 521

ctgaattcct cttattcagg aatttggaga gtattgatat atcaaggtag gataaaccag 60  
tagccaagga agatatggag ttttctatga ttttcattgt tagcaacatt atgctgcttt 120  
tcagttcagc atttgccaaa actgctagtc ctccctctct gagcccaact ccagcaccag 180  
ccccggcacc agacttcgtg aacctcactg agttactcag tgttgctggg ccgtttcaca 240  
ccttccttgg 250

<210> 522  
<211> 253  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700907653H1  
  
<400> 522

ccttggtggt ggagatcgtg atgaccttcg gtctgggtga cacggtctac gcaactgcc 60  
ttgaccccaa gaagggaat ttgggaatta ttgctcccat cgccattggg ttcatgtgcg 120  
gcgctaacat tttgttgggt ggggccttct ctggagcggc catgaacccc gctgtgacat 180  
ttgggcctgc tgcgtgagc tggacctgga ccaaccactg gatctactgg gccgggcctc 240  
tcacggtgg tgg 253

<210> 523  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700907663H1  
  
<400> 523

gagaaatagt gacatacttt tcgtacccaa aaagagagag ggactattca aggtggccag 60

acacgccaga aggggtggaga tcggtgactg aggaatacag cgacaaagta atgggtctag 120  
 cttgcaagct catggaggtg ttgtccgaag caatgggggt agagaaagag ggtttaagca 180  
 aagcatgtgt tgacatggac cagaaggtgg tggtaatta ctaccccaaa tgcctcaac 240  
 ctgacctc 248

<210> 524  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700907665H1

<400> 524

tttttcttcc gattaaaaaa aaatcagtca aataaagtgt tgttcgcatt ttaatgcatg 60  
 atcaaagat caaatcttca tacacacttt tatcgccctt tgctcttgag acccaaaaca 120  
 cgtgacataa acgtgaatat aaatacgaac tcagtttctc aacactctac aatgggtgacg 180  
 acgcttctaa aattctaaaa ccctaaccct aaccctaagg aaaaaaaatc ccaatcttcg 240  
 caagactcga tgaacgtgga tca 263

<210> 525  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700907716H1

<400> 525

gtttgttcca gcgttggaac cgtgcgctcg gattaaaata accgacccga acccgaaatg 60  
 ggatatggaa acaatgcccg gtgctagagt catgagtgac atgggttttac tccgaacgg 120  
 cgacgttttg attgttaatg gagcagccgt agggactgcg ggctgggaat tgggcccgtaa 180  
 cccgctactg agtccgtttc ttataaacc aaataatcgg gtcgggtcga gatttgaggt 240  
 tcaaacatcg tct 253

<210> 526  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700907759H1

<400> 526

cataaatatt ccgttttgcg tttctctgcc taaaaggatt gaaagatggg tcaagcacta 60  
ggttgctatc aagttgatca gtcaaagtgt gctatcaagg agcattttgg aaaatttgat 120  
gatgtcctag aacctggatg tcattgcctg ccttggtgtc ttgggtacca gattgctggg 180  
agtttgtcac tgcgtgtgca gcaacttgat gttcgatgtg agacgaaaac caaggaca 238

<210> 527

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700907761H1

<400> 527

tatagcccaa gccctataca accaaaccct aacacacacc catttgattc agtttccatg 60  
gctagcctca aggttgcatc tttggctgca gtgctctgca tggttgtggt gagtgcaccc 120  
atggcacatg cagctatcac gtgcgggcag gtgacgaata gcctgatcaa ttgcatcggt 180  
tacctccaga acggaggaac gccgccgtcg ggatgctgca acggagtga gagcctcaat 240  
g 241

<210> 528

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700907781H1

<400> 528

gtggcggggg agtgacatta cagtgtgggc ataaaatttt caaagtcgaa gcgagaactt 60  
gccatttcga gggttttagg gttagggttt tctcaaattg caagaacatg ggtttcaaca 120  
ttcaacccta tgggattcag tccatgctca aggaaggcca taagcacctt tctggcctcg 180  
atgaagcggg tctcaagaac atcgacgcct gcaaacaact ttccacac 228

<210> 529

<211> 236

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907786H1  
 <400> 529  
 gaaaccttcg ccaagaaccg tgaactcgaa gtgatccact ccaggtgggc catgctcgga 60  
 gccttgggct gcgtcttccc ggagttgctg tcccgcacg gggatgaagt cggagaagcc 120  
 gtgtggttca aggcggggtc ccagatcttc agcgagggtg ggctcgacta cttgggcaac 180  
 ccaagcctga tccacgccca gagcatctc gccatctggg ccacacccat taggat 236

<210> 530  
 <211> 235  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907791H1  
 <400> 530  
 cagtgttgtt tctccattt tttttcttct tctctctca atgggttgca tttactcgcg 60  
 agtctgcata ggcgacaatt gcagaggctc cagcatcaac ggagacccca tcgcgcgaaa 120  
 cgacgtcgcc gaagtcgtga atttctcccc ttctcttcg gatgttgaag aaggcgaaat 180  
 cagagaccaa ttgaaccaat tgagcatcac cagagactct gaagctggaa tccga 235

<210> 531  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700907805H1  
 <400> 531  
 caaatatattt ttcacttgct ctccatcttt tttcagttca tcagnggccca ggtaggccat 60  
 gggangggct ccatgttgtg acaaatccaa tgtgaaaaga gggccttggt ctctgatga 120  
 agatgccacc ctcaaaaact acnttgagaa acatggcaca ggtggtaact ggatagctct 180  
 ccccaaaaaa gcaggcctta agcgttgttg gaagagctgt cgtctaagat ggctaaacta 240  
 tctcaggcc 249

<210> 532  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700907809H1

<400> 532

ctaacttacc tctttttctt ctctctcaac aacttcacct tcttcctcct cgatcatgtc 60  
 tcacttcaag ggcaagtacc atgatgagct tatcgccaat gctgcgtaca ttggcactcc 120  
 tggaaagggt attcttgctg ctgatgagtc aacagggaca attggcaagc gtttggccag 180  
 catcagtgtg gagaacatta aatccaacag gcgagctctt agggagctgc ttttcactgc 240  
 tcttggtgtt cttca 255

<210> 533  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700907874H1

<400> 533

tgggattgga gggattgacg ctgcgtctct tcctcttctc tttcgatcca tccctcattc 60  
 ctaatcctcc aatccaacca cctcagcctc acactcacat atacacatat ctgaacgcgt 120  
 atcgtccctc ctatggcttc aaagcgcac ctaaggagc tcaaggactt gcagaaagac 180  
 ccaccaactt cttgcagcgc tgggtccagta gctgaggaca tgttccattg gcaagcaaca 240  
 ataatgggtc ctg 253

<210> 534  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700907885H1

<400> 534

ccttgtttgg gggttgcatt tttcctgggt gaaaaaggga agaacttgaa ctaattgggt 60  
 aagtnnnnnn nnnnnnnnnn nnnnnngggt ataataatattt atatcagtt tnaaaggaaa 120

gaaaganaga aacgaagatg ggaaggggta aggtacagct gaagaggata gagaacaaga 180  
tcaatcgcca ggtaactttc tccanncgga gaagtgggtt gctcaagaaa gctcatgaga 240  
tctctgta 248

<210> 535  
<211> 261  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700907906H1  
<400> 535

gaaagatgct gctcagaaaa cattttttga tattttaaaa ggctcaggggg aaaagctttt 60  
gcgggtatccc ccacttggtg ctggtgatct ttccccgcca ccagcagtga gggaaggggt 120  
atctgtactt ctgaagtta tcgacaacta caacagcatg atgggttctg cttctggcca 180  
aaaacctgct ttgggtccag ttatatctgc tatactggat ccaatagttc agatgtgtga 240  
acaagcaggg aggcacacaa g 261

<210> 536  
<211> 255  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700907916H1  
<400> 536

actggctatg ggctggtttt ctttgcccag ctcatgcttg ctgacatgaa taaagaactt 60  
aaaggattaa gatgtgctgt gagtggttct ggaaagattg caatgcatgt cttagagaag 120  
ctaattgctt atgggtgctt tcccatttca gtatcagatt cttagaggata ttggttgat 180  
gaggatggat ttgactacat gaaaatatca tttttgagag acatcaaagc tcaacaaaga 240  
agttacgaga ctatt 255

<210> 537  
<211> 257  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700907924H1

<400> 537

tttttatgtc attaaaggga gcaatggaaa tcttaagact tccttttgtg ctgatcaatc 60  
aaggtcttct caggcaaagt atgtccgcaa gcaaactggt ggcagcgctg ttccagttct 120  
taaaggcgaa aagttttcct tgcggatact ggtggaccat tctattgttg aaagctttgc 180  
tcaagggtgga aggacggttg tgacatctcg ggtttatcca acaaaggcaa tctatggagc 240  
tgctagtgtg tcttggt 257

<210> 538

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700907935H1

<400> 538

aaatttctct gaagtaatat aaattcttca gcagatatga aaagaggtca atgatacaca 60  
agataaagca tcccatggtt ttctctcagc tcttagacgg gcccatcatt gatattgata 120  
taagagtatt acgcgacagt atagcctttt tgcctgtat agtagtcaga ctctgactaa 180  
atatctattg agttcggttg ttataatact cttgaaagat tccgttgat tgtgtttgcc 240  
ttaaattctg ttacaatct 259

<210> 539

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700907938H1

<400> 539

gtggtgctgc atttccgagg tgccgacgtg tcattgccgg cgacgaatta cttgattccg 60  
gtggataaca gtgggagctt ctgcttcgcg ttgacgggaa ctatgagcgg tttgtccata 120  
attggttaaca tccaacaaca agggttccgg gtctccttcg accttgccgg ttctcgggtc 180  
gggtttgccc ctgaggttg cgtttgagac ttgggaaatg ggaacaactc tttccctggt 240  
gtttctaatt atgatt 256

<210> 540  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700907950H1  
  
 <400> 540  
  
 gcaaacatag cggtccttat cttgaaatag tcaattcctc catcccagca gcatgtcaac 60  
 atgtctcaga agttgcagca taccgtctca tattccttga ctccaattca gtcttctatg 120  
 gcagcctcta tgttggtgac gtagccaact ctgcgattag gccagcgctg aggatcctca 180  
 agcaaaacat cacgctgatg actacacttg tggcagatag agtcaagca cttgcaatga 240  
 aggaatgatg aaggcat 257

<210> 541  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700907956H1  
  
 <400> 541  
  
 ctgtatttca aacacgtgag agaatcattt gagtctggca gccaaacttg tcttgcaaaa 60  
 gtcttgggga tatatcaggt tactaaaaga cacgttaaaa gtggaaaaga ggttaaatat 120  
 gacccccctca tggatgatga aaatcttacc tacaatagaa atattactcg ccagtatgat 180  
 cttaaagggtg ctctttatgc ccggtacaat tctgctgctg atggagctgg agatgttctg 240  
 tggatcagaa ctt 253

<210> 542  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700907958H1  
  
 <400> 542  
  
 tctctnctna aatgtttaga ggcttcctng gccctctgta gcatttgtaa tncatcctcc 60  
 tgaagatgca gttgtntnca gtttgtggnc atgttttctg naaccaatgc atctgtgaac 120



atcttaccgg cgatgacaat cagtgccctg ctgcaaattg caaaagtcga ctgagcacat 180  
 ctatgggtatt ttcaaaaacc aactgnaca gttgtctttc tgaccagagt tgtgatattc 240  
 acccagtc 248

<210> 543  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907970H1  
 <400> 543

cttgattgt ctcaagcaac catggcaatg gcaaccaag cctctctctt aaccccaccc 60  
 ctctccggtc tcaaagccag cgaccgcgcc tccgtgccat ggaagcaaaa ctccagcctc 120  
 tccttctcca gcccgagcc cctcaagttc tccagaacaa tcagagcagc agccgccgac 180  
 gagaccacag aggcaccagc aaaagtagag gctgcaccgg tcgggttcac cccaccagaa 240  
 ctgacccaaa cac 253

<210> 544  
 <211> 137  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907989H1  
 <400> 544

catcttgta ttcaccgaga aagtcgtact gattcctctt catctttcgt taaagcgagt 60  
 acttttcgtt cttgatctgt tggttacgat gtcgtattca aggagatcta ggtattctcc 120  
 ttctccttct ccttctc 137

<210> 545  
 <211> 146  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700907992H1  
 <400> 545

ctccaatctg tttctgattg gtttttggtt tttctttttt tggccactga tctgttttag 60



cactgtgttc ctgtttttgt tcttcgatgg cngcaacctc aacatcactg gcttctcaac 60  
tctacattgg cctgcgccgc cctgcctca agctcgattc tttcaattct caatctttct 120  
ctctcttcga ccctaattct cgctntccc tctctccacc caaacctca cgcgccgtca 180  
tcgccatggc cggcaccggg aagttctttg ttggtggcaa tggaagtgtg acggaaaaaa 240  
gatcaatcag c 251

<210> 549  
<211> 143  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700908082H1

<400> 549

gncttgantc cntactttga acaccccaaa ttagaanagt gtgttggtgt gtgttnaagn 60  
agcngnctaa canagatggt tgggntnctt aggnngcant aangggcaca anatcaanga 120  
tatgtggtgt tgatgagcaa naa 143

<210> 550  
<211> 110  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908108H1

<400> 550

actttgcgca gattgttgcc tcgcgttggt gtggtatgtg atctggaact tcctctcact 60  
atggcgatgt tcttgtcaat tcttgttctg tagatctgat gattgttggt 110

<210> 551  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908153H1

<400> 551

aataacccac gcaaaaacct taaattgcc attaaaactg aaacccttt tgttttttgc 60

cttagattac aactgcaaaa gggtcacagc ttctcgggtt tgtttccttt tgagaccaca 120  
 ttcaattttt tgatgtgaat cctcacaaca atgtctgggt tggaggaatt gagaaaaaag 180  
 cttgcacctt tatttgatgc cgagaagggg ttctcatcaa gttcaacgtt ggacccttgt 240  
 gattcttaca cattctcgga tgggtg 265

<210> 552  
 <211> 225  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908163H1  
 <400> 552

atttcaaggg ctgaaacata ctatctttaa ctgtattctc cctttgtttc ctcaccagtt 60  
 gattcaggtt gcaaacatgg cttttccaga cccatccatg tcagtttctc cacagaggaa 120  
 gatgggaagg gggaagattg agatcaagag gattgagaac actaccaatc gccaagtcac 180  
 attctgcaag cgcaggaacg gcttgctcaa gaaagcatat gaatt 225

<210> 553  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908175H1  
 <400> 553

ggttttgatg caagctatgt atggagttaa ggtggagact gtatttattt gcagggtgtt 60  
 tactgcagca ttctctggct cgtcaaagaa gttatcagac ttgaatgtgg ccgacataca 120  
 ttcatgggct ccagatttta gaagggttga ggatcttgta aatgaggaaa ttagagttag 180  
 attttctggg ggtaaattta ctgtattgaa tgagttggaa gcggttgatg cctctgtgaa 240  
 gatattatat cctactatcc 260

<210> 554  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908178H1

<400> 554

aggtaagcta ggacatcact tttttcataa aggctgctt ctccaggcat ttgtacatcc 60  
ttcttacaat aagcttggag gaggctgtta tcagcgattg gagtttcttg gagatgctgt 120  
cttgattat ttgattactt catatctatt ctgagcttat cccaaactaa agcctgggtca 180  
attgacagat ttgagatcat tgtctgttaa caacaaggca tttgcttgct tagcggtaga 240  
tcgcagtttt gataattttc ttt 263

<210> 555

<211> 210

<212> DNA

<213> Glycine max

<223> Clone ID: 700908190H1

<400> 555

tgtgtgtctg tgggggtgtg gcgtgttaac tttggaatgg ttttgatcat tggaagccac 60  
ttcagaagag aacctaataca agttatagtt attggaggct gttttagcat catgtgatca 120  
ttttccttat cctttgtaac cttcgggaaa tgtcacttgc accttgaaaa agcacgagat 180  
tgaaaaaatg aatgtaatat gtttgaagtt 210

<210> 556

<211> 270

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700908207H1

<400> 556

gtggttgcnt catctatgtn atgcacatca ggaantgcag tcatagngca gaagctgctc 60  
agtgtgctgt tgctgttgct ngtgttgtaa tgcnggccct tggngccaga aacgatggtg 120  
tttgagcaaa gacnacgttt ctgctttacg gaanattgat cctatgggta gcaatganat 180  
tacgtctgaa gcactgtctg cggaggttga gggatatggt gcttcaaaac tgcctcttgn 240  
actcgngtgt gaaatacttg cagcttgctt 270

<210> 557

<211> 260

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908241H1  
 <400> 557  
 ggcgctcgtc gcgttctacc agaagtacgt tgatgaacag agtaagaagg agatcaagga 60  
 cattctggtg aggtacgata gtaccttgct cgtcgcggaat cccaggcgct gcgagccaag 120  
 aagtttggtg ggcgtggcgc acgtgcgagg ttccagaagt cttaccgttg aaggagaatg 180  
 gtggtgtttt tgtgtttttt tgtttttggt tcggttcatt ttttatgctg tggaaaaaat 240  
 gaaaactttt gttggtggtt 260

<210> 558  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908266H1  
 <400> 558  
 gttgttatgc taggaggaag gatacttgag atattgtcca taaatcttgg gcttagagag 60  
 gattttctcc taaatgcatt tgggtgggaa aatgaccttg gtgcttgctt aaggggaatt 120  
 tctaccctaa atgccacaaa cctgacctca ctcttggtt gtccctcac tcagacctg 180  
 gtggcatgac cattcttctc cctgatgaaa atgtgtcagg acttcaagta cgcagaggag 240  
 aagattggat cactgttaag ccag 264

<210> 559  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908276H1  
 <400> 559  
 caacactgac agccagaatg gtccgttaaa aaaatctagt tctaggaaag ttcaaagtaa 60  
 caatcaatca agattttctt ttgcatggca ggaggaatcc aaattccaag ccatgtacct 120  
 ccatcttctg gtgctacca gccatttcca aagaatggct cactcatcca ggattttgtg 180  
 gaaagagact tttctttgaa caagctgggt tttgcaaag gttccctc caataacctc 240

aaggaatctg gaaatc

256

<210> 560  
<211> 99  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908279H1  
<400> 560

caaatgactt gctatttggg tcaaaaacta cattttgtat aaaatatctt ggttttgggg 60  
cttcctcctt caattcaaatt gcatacatgt tctccctcc 99

<210> 561  
<211> 150  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908291H1  
<400> 561

agaagaccgt ttcaaatact tctgctctca aggttccaag aaagtctttt tgtagtactg 60  
agggtgtgaa agttgctggt tgctctattc cagagggttc caatgaccag agaagaagca 120  
ggctattagc aaagttattc cacacaacat 150

<210> 562  
<211> 259  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908303H1  
<400> 562

gcagtgagat ctgtatcgcc aaaattcatg atttcgtgtt gaatgcatcg tccgagttag 60  
gttaattttt cgacattttt tgggtgtaaaa tggagggtgcc aactaggaga aaaccctga 120  
tctactggat ttgccttttc gtcattgtca atgcgtttgt acaaattagc aatgcatttt 180  
atcttccggg aagctacatg cacacttact caaatggaga taatatatat gccaaaggta 240  
attcattgac ttctattga 259

<210> 563  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908304H1

<400> 563

gatagctaga agcaataaga tgaaaatgaa agtgcttggt ttgtttgttg ctacagtttt 60  
ggtagcatat gaatgccatg gctcagacta ccagaagttc cctctccaaa tgaaaactgg 120  
gtttggtggg caatacagca atgaggtggc atgtgccagt tggaggcttg gcgtggaagc 180  
aaacaacgta gtcaagtggc aaactgttcc tgcagcttgc ggagagtaca tagctgacta 240  
cgttctagga gaccaatata 260

<210> 564  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908318H1

<400> 564

ttctcgttct ggtttataga tctttgcgaa ggaggtttac agcgctcaac caaagatgca 60  
gaacgaggaa ggacagatca ctgagcttta cattcctagg aagtgctccg ccacaaacag 120  
attgattacc gctaaggacc atgcttcggt tcagatcaac attgggcatg tggatgagaa 180  
tggcgtctac aatggccatt tctccacttt tgccctctgc ggattcatcc gtgctcaggg 240  
tgatgctgac agtgctc 257

<210> 565  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908325H1

<400> 565

gttcttgagg acatgagtga tgtaaaggaa ttggttcttg agctatttta cctacctgag 60  
gtcctcacia atgaaaattc aattgatttt ggcacaacac aaatgggagg aaagcttgat 120  
actgtaaagc ttctgcttg ggctgaaaat ccaattgatt ttattcacia gcaccggaag 180



gctctagaga gcgagtatgt atctgctcat ttgcatgagt ggattgacct catatttggg 240  
tataagcaac gaggcaagga a 261

<210> 566  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908327H1

<400> 566

cactgttgtg ccatgtacat ggtcagcatc agaaactttg aagatgaagc cagacggggg 60  
tcttttcagc aatggccctg gagatccgtc tgctgttcct tatgccgttg aaacagtga 120  
gaatattatc ggaaagggtgc ctgttttttg aatttgcagc ggccatcaat tgctaggcca 180  
ggcttttagga ggtaaaacct tcaagatgaa atttggcac catggaggaa atcaccctgt 240  
tcgtaacctt cgaagtgg 258

<210> 567  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908337H1

<400> 567

gccaaactaga ggaccctaag actcagagat caggctggca gcttgtatth gttgaccggg 60  
agaatgatgt tcttcttctt ggtgatgac cttggcagga gtttgtgaac aatgtgtggt 120  
acataaaaaat actatctcca ctagaagtgc aacaaatggg caaaggctctt agtccttcta 180  
cttctgcccc aggtaacaaa ctttctactc ctgccaaactc ttgtgataat tatgtgagtc 240  
aacaagagtt gagaa 255

<210> 568  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908340H1

<400> 568

gcaaaatgaa aggcagtgga aatgtgccaa aacaagtggc actgtgattt gtgaccacaa 60  
 caaatgcata gttcatttta tggttcagac caatcaaccc gtagactcct tataagtgcg 120  
 cagaagttca agtgtagaga atgagtcagc ctaagattaa acgccgagtt ggtaaatacg 180  
 aggtggggag gaccattggt gaaggtacat ttgcaaaggt gaaatttgca aggaactctg 240  
 agacaggaga gcccggtg 257

<210> 569  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908351H1

<400> 569  
 gagattctgg agcctaacac gtgcattagg ggttgctgca ccagcccctc tattccccctt 60  
 catctccctc cctcttctta tacccttctc tctcctattg cccgagggtc tgagagtgtt 120  
 gtttatgaag ggactttgga tggcacgagg gttgctgtga agaaacccat cttgtcaact 180  
 tcagaagaca ttaataagtt tcataaagaa ttgcaattgt tgtgcaagtt agatcatcca 240  
 ggaatagcaa cac 253

<210> 570  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908354H1

<400> 570  
 gtccagcagt gtggtcaaaa cacagaaggt ggctgttaat gtccatgctt tgctgaatc 60  
 ccgtagcttg ttcatttggt gatcttcaat tccctaattg gcaactaacc tacgtatctg 120  
 gtgagggtct aagtaccagt gctttcctac ctgtttgtgg aggtcttctt caagctcagg 180  
 gtcaatatcc tggggaaatg agattcagct tttcatgcaa gaataagtgg ggaacaagaa 240  
 tcacaccaat gg 252

<210> 571  
 <211> 254

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908357H1  
 <400> 571  
 atatTTTtGca aacaaatgtg tTcaccggtg gcaagggTga cagagaacaa agaatctacc 60  
 tctggtttga ccctacaaga gaatatcaca gatactcagt gctatggaac atgtaccaga 120  
 ttgttttcta tgtggatgac tacccaataa gggTgttcaa gaacagcaat gacttgggag 180  
 tgaagtTccc atttaaccaa ccaatgaaga tatacaacag tttgtggaat gctgatgact 240  
 gggccacaag gggT 254

<210> 572  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908358H1  
 <400> 572  
 gacgaatgtg atggacacgc ttaacatgct tggccttgCg aaaagaattg gggctaggtt 60  
 tctgcttact agtactagtt aggtttacgg tgatccgttg gagcatcctc agaaagagac 120  
 ttactgggga aatgtgaatc caattggtga gaggagtTgt tacgatgaag ggaaaaggat 180  
 tgtggagacg ttggccatgg attatcatcg gggTgctggt gttgaggTca aacatatgag 240  
 aggcaatcca tcc 253

<210> 573  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908360H1  
 <400> 573  
 aaaaaagaaa aaagagagca taaaccaatg gctactTcac tttcagcaac tgggtgtgTt 60  
 ggTtcttctt tctatggaag ttggggaact tcaattgttg gtgaggacta caccatgctg 120  
 gccaaGtcag tgccatcaca agttcgcatg gggaagggaa agcccacgag attgcagcct 180  
 atgatgaaga atgttaatga agggaaaggt atatTTTgcac ctcttTgtggt gatcactcgC 240

aacatcggtg gcaag

255

<210> 574  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908365H1

<400> 574

ctctgactct tccaaagtcg cttatgttct tcaaggtagt ggagtggctg gaatagtgtt 60  
gcctgaatca gaagagaagg ttgttgcaat aaagaagggt gatgccttgg cactcccctt 120  
tggtgttggtg acctggtggt ataacaagga agaaactgag ttggttggtc tggtccttgg 180  
ggacacttcc aaggctcaca aggctggtga attcactgac ttttttctga ctggttccaa 240  
tggaatcttc 250

<210> 575  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908373H1

<400> 575

cccttttctt aacctcaccg gcgggtgctc gtactgctac tgatcatgctt agaagggcgg 60  
cggtcatcgt gtcggcggcg acggcgagga cgccgaagaa gaagggcgaa tcgaaagggt 120  
tcgtggaaga gatgaggttc gtggcgatga ggctgcacac gagggaccag gccagggagg 180  
gcgagaagga ggtcaagcag cccgaggaga aagccgttac caagtgggac ccatccgtcg 240  
aagggtacct gaaa 254

<210> 576  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908374H1

<400> 576

agagtcctga gaggatggt gcgcagaaag atcttcagt cacaagaatc agagacagga 60

gaaaccctct tcggcttgac acgagcctcg aagtggatcc ttcgcgacac gaaaatgacc 120  
 ctagcaccca tggttgctgct ggagaaccac ccaattcacc tgaaccctgc gcactacatc 180  
 agtgagatta ttagagaagg cacaaaaaat ggcactgctt tctttaagtg ccatggacat 240  
 gagcaatttg ag 252

<210> 577  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908376H1

<400> 577

aaacaacaga gtttatttct ttttggttcc ttggttcacg ctggctgcaa ggcttggtgtt 60  
 tggtgggagc agcttctcac cgtgacgctg ctctacgaag acgacgacaa cctcgtgtga 120  
 caacatcaaa taatgggaaa aggaacatg gaactcgaga caaacaaggt ctatgactac 180  
 gaggatgcac gaggggacgt tgaagtccca gataccgctc atcagataag cactgattca 240  
 tggtttcaag tg 252

<210> 578  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908382H1

<400> 578

attctgttca gtttcacccg ctaaacaacg tcacctaaga gatctacttc aaaacacaac 60  
 caaaatctta aatttcttgg aaccctttta attgtttttt ttcttttaaa aaatcatttt 120  
 cttttaaaact tcaaatttag agttctctct ctgattcatc cccagcaatg gcttgtgcat 180  
 tgcaagcaac cttagcagcc aacgcctatg tcttttcttc caggagattc tccttgaagc 240  
 tccaaaag 248

<210> 579  
 <211> 228  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908389H1

<400> 579

gttgctattg tgcctgtcat gctaaaagtg gatttcttgt tctgtacttc tgtatacatt 60  
tagtttccgg ctgtcacatt ttgcaagtgt cttatcgaag cctgaatttt tatgttaaag 120  
atataagata ctctgatatc gtatggagtt gtcactctta ttatggctga gttacctgag 180  
taaagttagta atcaggggaag ggaactatct cccttaaccc gtatatgg 228

<210> 580

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700908396H1

<400> 580

cctttgccgc tgttggttgtt gctgcaccac cgaacaactt cccctgtaaa tcgcgtttcg 60  
tttgtgcaag gttttaaaag atggctgatg ctgaggacat tcaacctctt gttgttgata 120  
atggaactgg aatgggtcaag gctgggttttg caggtgatga tgctcctagg gccgtgttcc 180  
ccagcattat tgggagacca cgccatactg gtgtaatggt tgggatgggt cagaaggatg 240  
cttacgtggg tgat 254

<210> 581

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700908409H1

<400> 581

ggaactgagc aagcattggt tgctgaattg agtgccttgg atgaacatct caagacccat 60  
ggtccataca ttgctgggga gaaagtcact gctgttgatc tgagtttggc accaaaactg 120  
taccatcttg tggtagcact gggccacttc aagaattgga atattccaga aagtttggta 180  
catgtgcaca attacactaa gctgctgttc tcccgagagt catttgagaa aacaaagact 240  
ccaaaggagg aatatgttat t 261

<210> 582  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908411H1  
  
 <400> 582  
 gccgtcgtcg ctgtttttgt gtgtcgcttc ttcgtaggtg cagctgcaat ggtgaaggga 60  
 cgccaaggag aacgtgtcag actctacgtg aggggtacaa tccttggata caaaagggtcc 120  
 aagtcaaacc agtatccaaa tacatccctg atccaaattg aggggtgtgaa tgccaaagaa 180  
 gaagtagcat ggtatgctgg caagaaaatg gcctatatct acaaggctaa ggtgaagaag 240  
 aatggaagcc attaccgc 258

<210> 583  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908415H1  
  
 <400> 583  
 ggagatgggt attgtgggag tttctttcag aggtgcaagc cttacatagc catggtttct 60  
 ctgcaattcg gatttgcggg tatgaacata atcactaagg tttccctcaa cctggggatg 120  
 agccactatg tgcttgtggt ttatagacac gcctttgcta ctgcagctat tgctcttttt 180  
 gctattgttc tagagaggaa agtgaggccc aagatgacat ttctcatgtt catgcaaata 240  
 tttgtgttgg gt 252

<210> 584  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908424H1  
  
 <400> 584  
 gagaaaacaa tgcgcttgtg ggaagtthta tggacacatt atccgtctga gcatttgcac 60  
 ctgtatgtat gtgtggcaat cttgaaacga tatcgtggta aaataattgg agagcaaattg 120  
 gacttcgaca cccttttgaa gtttattaat gagttaagtg gtcacatcga tcttgatgca 180

accctcagag atgcagaggc tctatgtata tgtgccggtg agaacggtgc tgctcgtata 240  
 cccctggaa cccacgcgc g 261

<210> 585  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700908428H1

<400> 585

attggattng cattaggtn ctctgaaata cgcaattgac atggcgagcg cgatggtaga 60  
 ngacgcgaac ttcgaagatg accaactagc caatatgacc accgacgaca tcgtcngagc 120  
 ttctcgtctt ctcgacaacg agattcgcac cctcaaggaa gagttgcaga ggaccaattt 180  
 ggaattggaa tcgtacaagg acaagatcaa ggagaatcag gagaagatta agctcaataa 240  
 gcagttgccc tac 253

<210> 586  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908429H1

<400> 586

gccagtagtc atatgcttgt ctcaaagatt aagccatgca tgtgtaagta tgaactaatt 60  
 cagactgtga aactgcgaat ggctcattaa atcagttata gtttgtttga tggatatctac 120  
 tactcggata accgtagtaa ttctagagct aatacgtgca acaaaccg acttctggaa 180  
 gggatgcatt tattagataa aaggtcaaca caggctctgc ctgttgcttt gatgattcat 240  
 gataactcgt cg 252

<210> 587  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908434H1



<400> 587

gcaagaaatc aaagcttggt ttcacagtct acccctctcc tcaggtgtcc acctctgttg 60  
ttgagccata caacagtgtc ctctccaccc attctctctt ggagcacacc gatgttgctg 120  
tcctcttga caatgaagcc atttatgaca tctgcagacg ctctctcgac attgagcgtc 180  
ccacctacac caacctcaac cgccttggtt ctcaggtgat ttcattcttg actgcttcct 240  
tgaggtttga tgggtgccctg a 261

<210> 588

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700908435H1

<400> 588

ggtgagacca aggtgttcag ccctgaggaa atcagtgcca tgattctgac taagatgaag 60  
gaaactgcgg aagcattcct tggaaagaaa attaatgatg ccgtgggtcac tgtcccagct 120  
tacttcaatg atgctcagag gcaggccacc aaggatgctg gtgtcattgc tgggtctcaat 180  
gttgctagaa ttatcaatga acccactgct gctgccattg cctatggatt ggacaagaaa 240  
ggtggcgaga agaacattct a 261

<210> 589

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700908444H1

<400> 589

gtttggaaaa aagggtttgt tcggttggtt cttgtagcag ggatcttgtg gatgttatta 60  
attcttcttg cattattgtt ccatatatgg tcttgtaaaa cttccgtctc ctttttatca 120  
gctatgtgta acaaagatag caaggttttc aacatgttag acaatatggg acttgatca 180  
aaacctcaca gatgtccaat tcctctttcc aatgaccctg ataaaatagt tatcccaact 240  
ggaagaactc c 251

<210> 590

<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908467H1

<400> 590

caaggatggt gttcatcgtc cgagggcgca taaaacgcaa ccaaagcctt agcaaaggca 60  
tggtagcctc aagcatcctt gagccaggag ggtttttggg tgacgagctg ctttcatggt 120  
gccttcgcag gccgtttatc gatagacttc cggcctcctc ggctacattt gtgtgtcttg 180  
aatcatcaga agcctttggc cttgatgcc aatcacttgag gtacatcact gatcacttcc 240  
ggtacaaaatt tgcga 255

<210> 591  
<211> 152  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908471H1

<400> 591

cattcatcgt tctgcaagca agatgaatag acttatagtt ctggcatttc atgtcgtcca 60  
tgccctggtgc tttactcttc cagtttatgg gcgtgcatat tctgccttgt gttataaact 120  
catgagttat aattacatcc gattcatttg ct 152

<210> 592  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908472H1

<400> 592

ctaagattgc tttcttaggg acccatttgc aggttcaacc ttctcctggt gtagcggctt 60  
ttagctccag aggaccaa at gcactcacc caaagattct caaacccgat ctaatagcac 120  
caggagtcaa catttttagcc ggttgaccg gtgcggttgg accaactggg ttgactgttg 180  
acacccgcc a tgcagcttc aacataattt ctggaacatc catgtcatgc cctcatgtaa 240  
gtggcttagc cgca 254

<210> 593  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908473H1  
  
 <400> 593  
  
 aacaaggctt acctagctcg tccatggaag aattactcta ggaccattat catggacacg 60  
 tacattgatg atttgattga cgctgatggg tatttgccat ggcaaggact agaggggtcct 120  
 tctggtatgg atacttgctt ctatgccgag taccacaaca ttggccccgg ttcagacaaa 180  
 tccaagcgtg tgaaatgggc tgggatttgg aacctcaatt caaaagcagc acgttggttc 240  
 tcaccatcta a 251

<210> 594  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908476H1  
  
 <400> 594  
  
 cacttccctc ttcccactcc ccagatccca aaggagtgtc ttttcttttt ttatcaagtt 60  
 tgttgtttat atttaacaac ctagagttaa ggattttttt tgtgctaatt agatttaagg 120  
 atttttaata atggacataa aagtgttttc ttccggagtt cagtactcaa atctgccgga 180  
 gagttacatc cgacccgaat cggagcgcacc tcgtctttcc gaggtttcgg agtgcgagga 240  
 tgttcc 246

<210> 595  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908478H1  
  
 <400> 595  
  
 acaggagctc agaagaatat gtcttcaatc actcaaactt ggccaggcgt gctctgaaga 60  
 atgttgctct tgcttatctt ggatgccttg aggaaaaaga attcaccgat cttgtgttgc 120

atgagtataa aactgctaca aatatgactg agcagtttgc tgccttggct gccatagctc 180  
agaaccctgg taaaaccctg gatgatgttc ttgatgactt ttatggcaag tggcagcatg 240  
atct 244

<210> 596  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908481H1

<400> 596

cttccaggtt gtgaatgaac ctacagatgc tcaactgtcct gttgtggaga tgtctacacg 60  
ttcaaaactt agttgcttga gttggaataa atatgctaag aatcaaatac ctagtagtga 120  
ttatgaagga attgtgactg tttgggatgt aaccactcga aagagtttaa tggaatatga 180  
agagcatgaa aagcgtgcat ggagtgttga tttttcaaga acagatccct ctatgcttgt 240  
atctggtagc gat 253

<210> 597  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908483H1

<400> 597

gctctcctga cccaattttt acattggatg cgcacaaaa aggagtgaat tgtgttgatt 60  
actttacagg tggtagacaag ccttatctaa taactggttc tgatgatcac actgccaagg 120  
tatgggatta tcaaaccaaa agttgtgtcc agactctaga aggtcacaca cacaatgtat 180  
ctgctgtatg ctttcacccct gaactaccta taatcattac tggctctgag gatggcacag 240  
tgcgcatctg gc 252

<210> 598  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908484H1

<400> 598

ccatcgctgg acgtgagaca agacgtagtg gtgatggagg tgccgaagct gggaaaacaa 60  
gccgcaacga aagcgattaa ggagtgggggt caaccaaagt caaagatcac acaccttggtg 120  
ttctgcacca cttcaggcgt ggacatgccc ggagcagatt accagctcac gaagcttctc 180  
ggcctgaggg cctccgtgaa ggcctcatg atgtatcagc agggctgctt cgccggcggc 240  
accgtactcc gcc 253

<210> 599

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700908487H1

<400> 599

gctttgggta taaactgtca catgatgctt cattacatcc ccgatgaaac cctatctgat 60  
acaacaggct tgacctcttt tctctacgat tcttcttctc ttgctgcttc ttctgctggt 120  
agcgttactc ccacttcctc actgcgatca ttgttcctta agtcctcgcg aggttttagac 180  
ccaacgggtcg taatcttggt cgacgaagat gcggatttga cttcgaacaa cttgggtatgc 240  
agactaagat c 251

<210> 600

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 700908512H1

<400> 600

aagagctgat ggttttgatc tcaagggtgt gacagcagat ctaaggaca ttgattacaa 60  
gtctggggat gtttgtggtg tgcttgtgca gtaccctggc actgaggag aggttttgga 120  
ctatggagag tttgtgaaga aggctcatgc tcatgagggtg aaggttgtta tggcaagtga 180  
tttgttgga ctgactgtgt tgaagcctcc tggggagttt ggggcagata ttgttg 236

<210> 601

<211> 256

<212> DNA

<213> Glycine max  
 <223> Clone ID: 700908519H1  
 <400> 601

ggaggttgag tagttcttca tcatagtctt aaacattaaa ccttagcaaa actcaacaat 60  
 gctagacatc aaaggctacc tcgtactctt ctctctatgg ttcatatcaa ccattctgat 120  
 acgttccatc ttcaagaaac cacagcgtct aagactccca ccgggtcctc caatttcaat 180  
 acccttgctg ggacacgcgc catatctccg ttcactgctc caccaagcat tgtacaagct 240  
 atcactgcgc tatgga 256

<210> 602  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908540H1  
 <400> 602

ctctctctct ttggaatctt ccttctgctt ggaaccctaa aaatctgatt acgtacctac 60  
 ccattattta attggtccgt ttttataatt ggggttgctg gctgaactaa ttaatcattt 120  
 ggggttggag gaacaagagg agtgagagct tcaatttttc tgttttttaa aattagggtt 180  
 tcttcatttg gtacccgatt cccttgtttc ttgggcttct ggaattgatg caaatttttag 240  
 g 241

<210> 603  
 <211> 235  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908543H1  
 <400> 603

aatttgtaaa ccagaattgt tgtttttctc ttttaattgta gatttttttt caaaaaattt 60  
 gttttatttt ttttgaagct ctttccgctc tctgcaatgg tggagatttg agttactgtg 120  
 tcgcgtcttt ctcggagttc aacctcaacc gttcaaaatt atgcttctgg gttttcgtca 180  
 tttcagacaa aagtttctat ttttgagggtg tttctgagca gttacaactt tttct 235

<210> 604  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908550H1

<400> 604

tcagcattga catggttcac aacaacaact tgcaggccgt gcataaccaa caggctgact 60  
tcaagaactg gctcagcgct gttatctcgt accaacaggc ctgcatggag ggttttgacg 120  
atggcaaaga aggtgagaag aagatcaagg agcagtttca taccgagacc ttggacaatg 180  
ttcagaaact cactggcatc acccttgaca ttgtgagtgg tttgtccaac atcctcgaga 240  
agttcggggt gaag 254

<210> 605  
<211> 232  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908559H1

<400> 605

ccgaatcatg tgtgaaacca tctgctcaac ttaccatctt ctatgctggt actgtcaata 60  
tctttgatga tatctccact gagaaggcac aagctatcat gttgttggtt ggcaatagct 120  
tatctgcagc ttctaacatg gcacagccaa atgttcaggt gcctatctcg aagttgggtg 180  
ctggtgctgg tgtgcctgtg agtcaacctg caaatacatc acctggctct gg 232

<210> 606  
<211> 231  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908561H1

<400> 606

ggccaattac tgtggaggaa ctaagccaac caccagaagg gtacccttca tccaaagtag 60  
ttcttactgg ccttgaagca gagtcattga tggtttatttc agtacccttt ggtgaagaca 120  
acataacatt ctatgatcgc ataactagtg ccttgagaga aagtgatgct atagccatta 180

gaacaagtag ggaaattgag ggtaactttt gtgactacat tgcattcacag t

231

<210> 607

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700908566H1

<400> 607

cttatgacag ctatgaaaaa ctttctctctg ctgttgatga gctctttagg ggcttccttg 60  
cagagatgaa gttatctcat attggtctt cccaatgctg ttctgggtcaa agagattcct 120  
gtgctggtgg aattcaaaac aaggaacagg aagagaaatc caataagggt ttattgggtg 180  
gaagtgggga atatactctt gtttatgagg ataatgaagg agacaggatg cttgttggag 240  
atgtgccgtg gca 253

<210> 608

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 700908570H1

<400> 608

atttttttgt gccagctcta gttatcact agcttttaag gaaggattct ccaagtatct 60  
agggttttat caattggtat ttgtgtttat tggtgtatct aaaaaattat atattttaaa 120  
taattttgtg acgctatata ttaatcaggt 150

<210> 609

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700908571H1

<400> 609

ggccccaaga gaggtgctaa ggtgaagatt cttaggaagg aatcttactg gtacaaaggc 60  
accggttcag tgggtgctgt tgatcaggac cccaacactc gctaccctgt tgtgggtcga 120  
ttcaacaaag tcaactatgc caatgtatca acaacaact atgctttgga tgagatcgtg 180



gaagtcgaat gaatccaact taattgtaat tttgatactt gtcatgctat cgcagttac 239

<210> 610  
<211> 231  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908575H1

<400> 610

gtcaaaggtt ggacttggtg tgtatgattc tcaagtgcct attggtgcc a ctcggagta 60  
tatggctggt ttctacatgc tgcaaagtgc aagctctttt ctgcctgtta tggctttggc 120  
tcctcaagag aaggaacgtg tcattgatat ggcagctgca cctggtggt a aaacaactta 180  
cattgctgct ctaatgaaga atactggaat aatatttgca aatgaaatga a 231

<210> 611  
<211> 230  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908576H1

<400> 611

cgtgatcaaa gcgttcaaca tgagcgacag gctgacggtg gaacacggca acagcagcgc 60  
cggaatgaag atggctctgg aggattgtaa ggacttggtg cagtccgcc tccacgacct 120  
agaggcctca ggcgtgttgg tcaaagagag cagcctacag gacgtgcacc agcgcaccgc 180  
cgagctcaag aactgggttg gagccgttgt tgcctaccag caatcgtgcc 230

<210> 612  
<211> 230  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908577H1

<400> 612

tccactggag gtttcgctct ctgagtttct tttcccaaaa ttgtttttca tctaacaatt 60  
tactttgcag aaccctaacc ctgagccctt cgcctacctt gtaaccttcc tttcgatcct 120  
tcattctgca gacaatgggt gaaactaagg acgaagcata cgaggaagag cttctcgatt 180

acgaggagga agacgacaag gcccccgact ccgccggagc taaagtcaac

230

<210> 613  
<211> 229  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908579H1

<400> 613

cttttattaa gactccaagc acccgggtag aatcattcac agtgggtggac cccactaaac 60  
gtgctgtgtac agagttgaaa tacggggccat atgaaaatca tcccccgat tcatattctc 120  
ctgtacttat tcattttgaa aataacaatg catttgctgt tgttgaggag ctagaacgtg 180  
aaattgaaat atctcactgg ggaagcattc aagtcactga gcaatatag 229

<210> 614  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908582H1

<400> 614

gcttcttgag cgattgcgtg tcccttctga gtatgccaca agtttgacag gaggttcatt 60  
tgatgaagcc cgaatgcttc aaaatgtaga agcatgtgaa tggttgacca gtgccttgcg 120  
tggtcttgaa atgcctaatc tagaccctag ttatgcaaac atgagagctg ttaaagagaa 180  
gcgtgcagaa cttgaaaaat taaaatctac ttttgtcagg agagcctctg aattcttgag 240  
aaattatttt 250

<210> 615  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908584H1

<400> 615

gggaagtggg gtgcgacgag cacggcatag atccgacggg gaagtacgtc ggaaactcag 60  
atctacaact cgagcgcgtg aacgtgtact acaacgaagc ttctgcggg cggtttgtcc 120

cacgcgcagt gctgatggac ctggagcccg gaaccatgga cagcgtgcgg actgggccgt 180  
acgggcagat attccggccc gacaacttcg tggtcgggca gtccggcgcg ggcaacaact 240  
ggg 243

<210> 616  
<211> 238  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908586H1  
<400> 616

agttaacata ccttcaagct gtgggtcaaag aaactttaag attataccct tcagttcctc 60  
tctcatcacc tcgtgaattc atagaggatt gcactttagg tggctacaat gtcaaaaaag 120  
gaactcgtct aattacaaat atttggaaga tccacacaga tcttagtggt tgggtcaaac 180  
cattagagtt caaaccagaa aggttttctaa ccacccataa agacattgat gttagggg 238

<210> 617  
<211> 230  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908590H1  
<400> 617

ggaaaggcag ccttagacgg ctgaggaaaa agtaccagtc agtagagtct gatgatgatg 60  
gccgtcacga agaaaagata attgctgatg acagtatgga tgaccaaacc caggaaatca 120  
aagatgatga agatattcta cctatttcat ctctttacaa gaataaagcc tctcaaaggg 180  
tcttggacga ggaaatggat gctagtgttg acagacaggc aggtgatgcc 230

<210> 618  
<211> 230  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908591H1  
<400> 618

gaaacatcgt gtgcacagta cccagaaga tcgaacaagg atctccacga agacaaacct 60

ctgtttctcaa ctgtgtttct ttacctctca cctactttca gaccatacca ggctgagaag 120  
 atgcagcaga caccgcctat gattcctatg atgccttcgt tcccacctac gaacataacc 180  
 accgagcaga ttcaaaaata ccttgatgag aacaagaagc tgattctggc 230

<210> 619  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908592H1

<400> 619

cagaacagtt gaagtgaatg gcataaaaat gcatgttgca gagaaaggag aggggtccagt 60  
 ggtgttggtc ctccacggct tccctgagct ctggtactca tggcgccatc agattctctc 120  
 tctcagctcc ctccgctacc gcgcgcgcgc tcccgatctc cgtggctacg gtgacaccga 180  
 agcaccacct tcaatcagca gctacaactg cttccacata gtgggtgat 229

<210> 620  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908601H1

<400> 620

caatagcaag tcggtcgctc agacacgcac agatctgata tgatctgata tatctgaagc 60  
 cgaaaacgcc gacggatgatg atgaagatgg ggtgttcacg ttgctccttc ttctctctcc 120  
 tcctctcttc agtggcgctc ttccctctgt cgctctccga gatccgcttc tccgagatcc 180  
 gaaacgacga tcgccgcata atccccttcg atcagtttgg attcaccac aagggtcgcc 240  
 ttgagctcag cgtttccaaa atctcactct cca 273

<210> 621  
 <211> 259  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908610H1

<400> 621

gcgtcttact ggcattctaca agaataatattt gaacaatgct ggggtcaagc tgattgaagg 60  
ccatgggaag attatagatc ctcacacagt tgatgttaat ggaaagctat attcagccaa 120  
acacatttta gttaccgttg gaggtcgccc cttcattcct gatattcctg ggaatgaata 180  
tgcaatagat tcagatgctg cccttgattt accaacaaaa cctgagaaaa tagccattgt 240  
gggtgggtgt tacattgcc 259

<210> 622  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908640H1

<400> 622

gcgaggagag gaatcagaat cgcgttaggg agaagaagag aaaatcgcag gtgaaaatga 60  
gcggaacggt gaagaaagta accgatgtag cattcaaggt gggaaggaaac atcgattggg 120  
atggaatggc gaacttctcg tctccgatga ggctcgcagg gagttctcca atctccgtcg 180  
cgctttcgac gaggttaact cccaactcga aaccaagttc agccaggaac ctgaacccat 240  
agactgggat tactata 257

<210> 623  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908645H1

<400> 623

ggagccaatg aactcagtga aggttacagc acaggtgttg gattgggtgc tgagattatt 60  
ggaaccttcg ttttgggtcta cactgtcttc tctgcaactg accccaagag gaatgctaga 120  
gattctcatg tgccggtttt ggcaccactt ccaattgggt ttgctgtgtt catggttcac 180  
ttggcaacca tcccagtaac aggcactggc attaaccctg ctaggagcct aggagctgct 240  
gtcatgtaca accaacaga 259

<210> 624  
<211> 253  
<212> DNA

<213> Glycine max

<223> Clone ID: 700908658H1

<400> 624

gccttctttc tttttttcaa tttccaaatc acgaaactca agaagatgga gaaagcgatc 60  
aacagacaga agattttgct tcatcatctc aacccttcat catccacca cccaacgaa 120  
tcatctctcc tccatgcttc agcatgtgtg gcgggggata gcgctgctta tcaaaggaca 180  
tcgacattcg gggacgatgt tgtgatcgtg gctgcttacc ggactgctca ttgcaaagct 240  
aaacgaggtg gtt 253

<210> 625

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700908666H1

<400> 625

ctcctatcac ataataacaa ccttaacctt aaccttaaac cccccaattt tcatgtctcg 60  
gatcccgatga ttcggatccc caacaaaaaa agaaacctcg tatttggtat tttcgtcgga 120  
tccggttggg aacgctcatg acgcggcgtt gctcgcattg cagccacaat gggcacaact 180  
ccagaacctg ccctaaccgc ggggttaagc ttttcggggt ccgattaacc gacgggtcga 240  
tccggaagag cgccagat 258

<210> 626

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908674H1

<400> 626

ctcagaggaa tggacagaag aaccataaga aaccacgaaa cgcattgacat cggctagtaa 60  
ctggagttgc aatgatcca taaggcataa accaagcatg tgactgatga tgctgtggag 120  
aaagttttga cttttgagtt gtttcggaga catcacatat tgtagtgaca aggtgataat 180  
tttggcaaga tgaaaaattc aagaggacgc agcatgaaac atgcacattt atttcattgt 240

gaagatcaaa

250

<210> 627  
<211> 256  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908678H1  
<400> 627

gccagaatgt ccaagtgcgg gtgaggggtt atcattcatg ttatataata ttatttacct 60  
ttctcagtat ttgaacttcg tgatagaggg cgccaatatc ttgccctaca caggttttcc 120  
gtgtgttttt tccccctttc ttttttcggt ggtgggatgt gttggttaga aaacatgcag 180  
tgagtatcta aggcccatctt ttcactaatg tagggaatca tcagccgttg taaatctgta 240  
ttaaactgtt gagtat 256

<210> 628  
<211> 254  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908693H1  
<400> 628

ggagagccca ttgcaactct gcgtttgctg cactatgaag gtcaagtttc ggatcccttg 60  
aaaggattat atggagctgg agctcatact gactatgggt taattacact gttagcaaca 120  
gatgatgtct cgggtcttca aatatgcaaa gatagggatg ctaaacctca gaaatgggag 180  
gatgtagcac cattgaaggg agcattcata gtgaatcttg gtgacatgct ggagcgctgg 240  
agcaactgcg tttt 254

<210> 629  
<211> 249  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908708H1  
<400> 629

gcaatttccc ggcacacatg ttaaggaaaa atgggtcaaaa aacctttacc ttgcctgttt 60

gtgctacgga cgcacagtat gctgatttcc atgacatttt aaagcatttt attgacaagc 120  
 ggattatgag ttgtcatctg cccaccaca aaagatcttt ttgtagaaag gaactaattg 180  
 ttgtgccagc agagaacctt attttgttat gttataagaa tattgttctg ttccctgtcc 240  
 ctcccccttc 249

<210> 630  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908709H1  
 <400> 630

caagaagttc tggaaatgga gatcaccaat gtcagcgagt atgaagctat tgcaaagcag 60  
 aagttgccaa agatggtggt tgactactac gcatctggtg cagaggacca gtggactctg 120  
 caggagaaca gaaatgcctt ttccagaatt ttgtttcggc cacgtattct tattgatgtg 180  
 agcaagatag acatcacaaac tactgtcctg ggcttcaaaa tatccatgcc aatcatgctt 240  
 gccccaacag c 251

<210> 631  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908710H1  
 <400> 631

atgaagatga gatctcaata cattcctgag gaggccagga gcaccatcat gaactttttc 60  
 cgcattcctc tcaacatttt tgtgtgtggt gtgctgtaca atgttgatgc attccctatc 120  
 actgttatgt ttggcatgtg ctcaattttc ctttgggtgg cttgtatctt gcaaaggcga 180  
 ctgatggtga tttccgataa gccaaaaaca gaagattggc aattgaagga tagggacgca 240  
 gagtcaga 248

<210> 632  
 <211> 249  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700908712H1

<400> 632

atttcttaaa aaaatatggt aaaacaggag gagaatttga gacaatagac ccaagaaccg 60  
gagaggtgat tgcaaggatt gcagagggaa ccaaagaaga cattgacctt gccgtcaaag 120  
cgtctcgtct ggctttcgac catggtccat ggctcgtat gcctgccgta gaaagagcaa 180  
gaattatgat gaaatgggct gacctaattg accaacacgt agaagaaatt gcagcactgg 240  
atgccattg 249

<210> 633

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908714H1

<400> 633

cttatagctt catcccaaaa agctcttttc cttctaaatt tgattcctta gttcagcatt 60  
ctattattat atatggcttc ttcaccttcc tcagaaaaca aaacactaga gggagtagct 120  
ggtagtgccg gagagaaacc cattccactt ggtgagaacg ttctgcagaa gcatgctgca 180  
ttctttgact tgaataaaga tgggtgtcatc tacccatggg agacttttaa agggttgcgt 240  
gaaatcgggg 250

<210> 634

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700908719H1

<400> 634

ggaaaattca acctccatgg agttttggga gagattgttg aactgataaa accaatagca 60  
tccgtgaaaa agttacctat caccttaatt ctgtctcctg atctgcctac tcatgccatt 120  
ggtgatgaaa agcggcttac acaaactctt ttgaatgtcg tgggtaatgc tgtcaaattc 180  
actaaggagg gctatgtttc tgtaagagta tcagttgcaa aaccagaatc ttcacaggat 240  
tggcgacctc cagagt 256

<210> 635  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908745H1

<400> 635

ggaagagaga gggagattct ttgtttgcta ctttctctcg gaaaaatggg tacgttcagg 60  
 ttccaccagt accaggtggg tgggagggct cttccacagg aagcagatca gcaccccaag 120  
 atctaccgaa tgaagctctg ggccaccaac gaggttcgag ccaagtcaa gttctggtat 180  
 tttctgagga aactgaaaaa ggtgaagaag agcaatggcc aagtgcttgc catcaacgag 240  
 atttttga 248

<210> 636  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908749H1

<400> 636

gttgaaacac aaagaagaaa aaatgggttc ctctttgtgg acttgcttga ttttgttatt 60  
 acttgcttct gcttccttcg ccgccaaccc aagaacacca attgatgtgc catttggcag 120  
 aaactatgtg cctacttggg cctttgatca catcaaatac ctcaatgggtg gttctgagat 180  
 tcagcttcat cttgataagt aactgggtac tggcttccaa tccaaaggat cctacctgtt 240  
 tggtcacttc agcatgt 257

<210> 637  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908751H1

<400> 637

ccggtccctt gtgatttgct cacaaaacca gtgtcgggtca caccatctct cccttttctc 60  
 cacctgcaac gatgtcgggt aaggagtgcc accaccacca caagggaaag aagcacaagc 120

tctggagacg catcttctgg ggaatagtga tcttcgcctt catcgtgtta ctgacagttc 180  
 ttataatctg ggcaatccta aagccttcaa aaccaacctt catcctcaa gacgtcaccg 240  
 tttacggctt caa 253

<210> 638  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908755H1  
 <400> 638

ggtttcgaga tcaaggactc tctgctaggg acatggttgc tttatctgga gctcacacat 60  
 ttggcaaagc aaggtgtact agtttcagag atcgcatata caatcaaacc aacattgata 120  
 gaacatttgc attggccagg cagaggaggt gtcctaggac taatggcaca ggtgacaaca 180  
 atctagcaaa tctagacttc agaactcaa atcattttga caacaactac ttcaaaaacc 240  
 ttct 244

<210> 639  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908757H1  
 <400> 639

attcaacctg taagatccgc gagctaaaac tcccacactc cacagctttt cttgttttcc 60  
 tttctcaga tcagatcttc acgccgttat gcttagaaca ttagctaggg tgttcaagcg 120  
 agccaccctt gccaatgact tgcttcaaaa acgcagcaga ttctatgcaa ccacggttgg 180  
 tggaagaagt gacaggtag aaggaaaagt ggcactcata actggatcag caagtggact 240  
 cggcaa 246

<210> 640  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908761H1

<400> 640

gaaaagggtc ctcacacctct tgctcaagct ggaactggct ctttccctgg aggcttcatt 60  
gggaaacata gggtgcaagc agccataacc aacctcaata accaaattag tattttgcag 120  
gaagaattgg aaaaagttga aacaattggg gaatcctcca ccgtttgcaa ggatttaatt 180  
tcaagcgttg aatccattcc agatcctctc cttccattca ccaaaagttc agttgatgct 240  
ggttgg 246

<210> 641

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700908775H1

<400> 641

aaaattagcc tcacaaaagc aaagatcaaa caaaccaagg acgagaacac gatgttgctt 60  
gaacttgcac ttggtttatt ggttttggct ctgtttctgc acttgcgctc cacaccact 120  
gcaaaatcaa aagcacttcg ccattctcca aaccaccaa gcccaaagcc tcgtcttccc 180  
ttcataggac accttcatct cttaaaagac aaatttctcc actacgcact catcgacctc 240  
tcca 244

<210> 642

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700908776H1

<400> 642

aaaccctgaa gaaagacaca gccattgttt gtttactttc cattgattga gcgaaagctt 60  
tgttttttct gcgatcattt tccattgggt ggaagaaagt ctcaaccttt agtcgaaaga 120  
gcaaggatct gagtgagtga gcgatcatgt gtgggtgggc gattatctcc gacttcattc 180  
cagcgggtcc cgccggcggg gcgcacgcgt gaccgccgac atcctgtggc cgaatttgag 240  
g 241

<210> 643

<211> 252  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908782H1  
  
 <400> 643  
  
 gagacaattc aacttaagag atcaatatgg ccaccaccac taccagcct ccctctaata 60  
 tctgtttttt ccttctgttg ttgcttctag cacactttca tttgggcata agccaacttg 120  
 agctgaatta ctactctaaa agctgccccaa aagctgaaga gatcatcaag gaacaagtca 180  
 cacaactata taacaagcat ggaaacactg ccgtttcgtg ggtcagaaat ctcttccacg 240  
 attgcgtggt ta 252

<210> 644  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908825H1  
  
 <400> 644  
  
 cttcattcat ttcctgtggc tcaatgaggc accagttggg gagctacagt aaggcaaata 60  
 aaatggtggc gtgccttcag aaccaatgg gtattgcaaa aaaaaatgtt cagttcaggg 120  
 gaaatttctc catacagtat ttttttttat cagcatttct ccaattttgt gagttaagca 180  
 gcctaacttg atgcagcata taaactctca ttggttactt ttgtgcttgc ttgctagcag 240  
 ttttatattt agttttgtta 260

<210> 645  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908847H1  
  
 <400> 645  
  
 caaaagacaa aaaaataacc accaaataaa catctttctc cacaaaccta gggggtctcc 60  
 acttatccaa aaaaagaatt cactatccat catggacatt aggaaggta cctgtgccgt 120  
 tctcattgcc gctgcctcca tgagtgcagc attggctacc acagaggtct ctgcacccgc 180

ccctggccct agcagcgggtg cctccgccgc cactgttggc tccttggttg gtgcctcagt 240  
 cttgtccttc tttgccttgt tcca 264

<210> 646  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908867H1

<400> 646

cgaggataag aaaccagagg ggtatgatga catcccaaaa gagctcccag atcctgaagc 60  
 caagaagcct gaagattggg atgatgagga agatggtgag tggacacccc ctaccattgc 120  
 caaccctgat tacaagggcc catggaaggc aaagaaaatc aagaacccca actataaagg 180  
 aaaatggaag gcaccattga ttgataaccc agatttcaag gatgaccccg acctatatgt 240  
 tttccccaac ttgaag 256

<210> 647  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908871H1

<400> 647

cttcactttc attcgatcaa tcatgagaac tcgaaacgcc gattccgcct ccaaattccgc 60  
 aaccctaag aagacgccgc cgaagaaatc ccctgcggcc aagcgcacca ccgccaccaa 120  
 aaccagagcc accaagaaga acgagctctc gcccgcaccc gattccaacc ccgatcaatc 180  
 tcctctggaa cagaaatcgt taggcagtgc tagcagcgca aaatctgtga aaaagaagac 240  
 tccggggaga tcgaga 256

<210> 648  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700908904H1

<400> 648

gnngtctttt nctgctcttt ggaaaaagta gggctctttgc ttgattttgg angntgtctc 60  
tgctctcaga tctcaacaan ctnaancntc ancgatacca ccgagnaggt gancgcagan 120  
tacatntgnt tcngtgnatc aggagtngaa cctgtggagc anggcntgga ctctcccang 180  
ancagttagc gaccctacag aagcttccca agtgggactn ngntgnttcc aagcgcnggt 240  
caagctnctg gtgaaanaca gtgaaat 267

<210> 649  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908915H1

<400> 649

gatttggaaca ttttgctatc gcaactccag atgtttacaa attgggttgaa gacatccggg 60  
ctaagggtgg aaatgtcacc agggagcctg gtccagttaa ggggtgggaaa tctgttattg 120  
ccttcgtgaa ggatcctgat ggttatgctt ttgagctcat tcaaagacct tcaaccctg 180  
aaccattgtg ccaagtaatg cttcgcgttg gtgatttaga gcgctcaatt aagttttatg 240  
aaaaggcttt gggttt 256

<210> 650  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700908919H1

<400> 650

caccgattgc tagaatggaa tttcgatgct cagtcattctc ttttaccatt ctcttctctc 60  
ttgctcttgc aggagagagc catgtccatg catcgctacc tgaggaagat tattgggaag 120  
ctgtttggcc aaacactccc attcccactg cactgcgaga gcttctaaag cctctccctg 180  
caggtgttga aatcgatgaa ctccctaagc aaattgatga tacacagtac ccaaaaacat 240  
tcttctataa agaagacctt 260

<210> 651  
<211> 258

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908934H1  
 <400> 651  
 caccatcaat aaggtgactg gtgcttttgg acacacgcc a tggctcttgg gtgccaactt 60  
 gaaccattat caccttgaga ggttttactg gttgatgtgt gtacttagtg gactcaactt 120  
 cgttcatttt ctcttctggg ccaattccta caaatacaga tgttcaacca aaccgggata 180  
 tactagctag aacgtacaaa cctacctgca tttatgaatc tatttggata taaaagtaga 240  
 agtgcttttt tgagagtt 258

<210> 652  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908938H1  
 <400> 652  
 ctctctcacc ctttctcccc cactccctag tcagctagct cctgcaacaa caaccactcc 60  
 tcttcttttt ctcacccaaa tccacgcttc cttacaccg cgtttggatc tccgttatac 120  
 aaactcatta aaatgttgcg agagaaaaac aaaacagaaa aaaaattcag ttaattatta 180  
 aattttgtta tggctttcca cgaccatctc cagcagaga tagcgttcca gcgtttcacg 240  
 gaggagcaag agttgaa 257

<210> 653  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908950H1  
 <400> 653  
 ggctttcaga gctgaatatg aattcccaga atggatttct ccgcaggcca agaattttat 60  
 ttcgaatctc ctcgttgctg atcctggcaa gaggtattcc attcctgata taatgaggga 120  
 tccttggttt caagttgggt tcatgaggcc aatcggttt tctattaagg agtcttacgt 180  
 tgaagacaac attgatttcg acgatgtgga gaacaaccag gaggaggagg ttacaatgag 240



gaaacctgcc aggccg

256

<210> 654  
<211> 253  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908953H1  
<400> 654

tatggcgata tctgatgcgg tggcgaggaa cttcagcacc atcttcgtgg gtctcatggc 60  
gtgttttgag gcctatggct ttgcttcggg gagaagggtt agcggcggtt atgttggtat 120  
tgtgtccacc gccgcggtca ttctcttcct cgtggcaacg ctcacgtggg acgtctcgcg 180  
taaggccacg tgtgcctttc acagagacca cgctgacagc caagaggatg tgtgcaaggg 240  
aggtatctgt tgg 253

<210> 655  
<211> 248  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908960H1  
<400> 655

cgttttgtgg ggaggggtgat gtcgagaagg gaaggagct ttttgatgag atgttgatga 60  
ggaagggttag tccaatgtg gttacatata gctgtttgat gcaggggtctt ggcaagaccg 120  
ggcggtgact caaggcttct gagatgttga aggacacgat ggatgagaac agaggacgag 180  
gctaagggtg tggatttgat ggtgcaggag ggggaggagc cgggtacttt gacatacaat 240  
gttgttgt 248

<210> 656  
<211> 250  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700908961H1  
<400> 656

ctttgctgca ccagcacaaa cttatgctaa gcgcaatttg ctttgcgtgtt agaactggaa 60

acactttctt gggctcacta ttgtgggtgg attatgctcg ctgggttgga gtccagaaga 120  
 tacgggatta ggcataatgg ttcttcagtt acaagatatt ttcataggat gatttgggtc 180  
 aaatcttgtc tgttgattca ttattgaagt acagttggtt tgttgatatt tttttattc 240  
 ctctgaaag 250

<210> 657  
 <211> 123  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908963H1  
 <400> 657

taacaattaa cttatgcttt attttgatga cacaatgtag ctgatggtac gtacttaatc 60  
 cctcgacgca gttttaaca tttgttttta ccaagtaaaa ttgaatgaat aatatagcag 120  
 tgt 123

<210> 658  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908967H1  
 <400> 658

cgcggttca acctttagt tattctcttt cttctttttt agctatccct ctcttgaaaa 60  
 atctagatct cgttcttcct tgatctacgt tacgctttta gtgaccggat ctgtatggat 120  
 ctgaaccaga tctacacgcc gatgggtggt ttggcctggt ctttcataga tctgatgcac 180  
 ggaggctcag atctactgta cagaggtgtg cgattcatgt tcgtctctct tttggaatct 240  
 gtttcgtaga aa 252

<210> 659  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700908972H1  
 <400> 659

cgttgattcc atatcgattc gcatttgcgt acaccctga ccccttgatt tctctcagtt 60  
 ccgttctgca tcatagagta tggccagcca cgatcttcga ttcttcgagt tgaacacagg 120  
 cgctaagata ccttccgttg gtttgggaac gtggctcgct gaacctggcg ttgttgctcg 180  
 cgccttggcc actgcaataa acgttgata tcggcatata gattgtgcgc aaatttatgg 240  
 caatgaaaag 250

<210> 660  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908974H1

<400> 660

atgcacctat aagagtatgt agtttctact ttgttgataa ccacatgctc tctacatctt 60  
 acaaagaagc atcctctata gactaatggg ttgttcaga agtaagggtg tgatttatag 120  
 gccagtgaag gatgttaact taggtcctga tagcactgaa ttctatctcc aagccaatgt 180  
 caaagctccc cgcattgactg gaatcctggg caagattttc acttgggttct tggagtctcc 240  
 aataacttgg 249

<210> 661  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700908975H1

<400> 661

ctcataacac aaagcacaaa gcaaagctca tccttgagtt aaaaaatggc agcagcttct 60  
 tccatggctc tctcatcccc atccttggct ggcaaggccg tgaagctggg cccatcagcc 120  
 ccagaagtgg gaagggtgag catgaggaag accgtcacca agcaggtctc ctcaggaagc 180  
 ccatggtacg gccagaccg agtcaagtac ttgggcccac tctctggcga gccccgtcc 240  
 tacctaaccg 250

<210> 662  
 <211> 247

<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908978H1  
  
 <400> 662  
  
 caatgatgtt gacttggagt ttccaaaatt tggatttctt catgcggatg cctcagtga 60  
 caggaaagat gatcaacaat caaaggactc gtgtcatagt gctgaaccga tgaaagggga 120  
 tttttagtaa gatcatttct ggaaagatca tcctttcatg ttggccaact tttatcctct 180  
 tgatcagcaa gactgggaag ataaaatcct ttggggcaat tctcctgttc caagttataa 240  
 taatgtt 247

<210> 663  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908979H1  
  
 <400> 663  
  
 aagaaaccaa gcaaatcttt gttttttgtt tctgtttgtt gttgtgtaat ttccccctag 60  
 ccaccaccaa tggccaacaa agagatggaa gttgtgaagg gtttggattt gcaaaggtag 120  
 atggggcggtt ggtatgagat agcctctttc ctttcaagga atcagcccaa ggatggtag 180  
 aacaccagag ccacatacac tcttaggaat gatggtactg tgcaagtgtc caacgagact 240  
 tggagta 247

<210> 664  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700908981H1  
  
 <400> 664  
  
 gggatcttgt ctttcttact gcaagtgaag aagtgaaaaa gtgctgaagt gaacacaatg 60  
 gagagaaggg ttggctatga ggtgctgggt gctttgggtga ccttttgggt tttctcattg 120  
 acttgtgtca ctgcttcacc atcagggcca acaaaacttc aagaccatgt gaagcaattc 180  
 agggggaatc ttcttgctaa tggccttgggt agaactcctc caatgggatg gaacagttgg 240

aatcatttca gct

253

<210> 665

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700908983H1

<400> 665

gttcagagat tactagtatt tgactacatg gccaatggaa atttgaggga ctgttttagat 60

ggagtttctg gaaaacatat cgattgggcc actcgtgtta tgattgcaat aggagctgca 120

aggggcttgg agtatctcca tgaagcagct gtcceaagaa ttcttcatag agatgtcaaa 180

tcaactaaca ttcttctgga tgaaaattgg caagcaaaaa taactgatct tggcatggct 240

aaaaacttga 250

<210> 666

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700908985H1

<400> 666

aagaaagcaa gataaatggg atcattgaaa gtaagccatt tgcagcttct tcaatcaaga 60

ctcccactgc cactgtgcca gctactttgg taactgaagc atctgcaaag ccaccccatc 120

cagataccaa gtacttaggc caggtatatt cagtacctaa ggtggagcag tgggtctgatt 180

ttgatgatca agagtggcta tttgacacca atgtttcaca agaaagaaaa tctgtggtga 240

aatcttcaat a 251

<210> 667

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700908991H1

<400> 667

tcaaatacaa atggcccttt acattacact aataattggc ctccctagtaa acaccctagt 60

actctataaa tagcatttgc atgcacctta gtcttcacca aaatactcct cttggcatct 120  
 tgtgttgtgt ccctctttta agctatttcc ttctcttaac acaattgggt gtgccaattg 180  
 ccatagtcac caaccaatta acaaagggtat atatatcatc atatcatcac caaatgaaaa 240  
 atattggg 248

<210> 668  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909005H1  
 <400> 668

gtgaggaaca agcaagtgt tctaaaggac tatgttaccg gttttcccaa agaatccgac 60  
 atgaatattg tcgaaagtac cataacattg aagcttcac aaggttccaa tgatgtcttg 120  
 ctcaaaaatt tgtacttgtc ttgtgatccg tatatgagga atctcatgaa caagcccgaa 180  
 ggccctccca atagtcgtgc ttacactcct ggctctccat taataggata tgggtgtgtct 240  
 aaagtcctgg aatctgggca cccagat 267

<210> 669  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909015H1  
 <400> 669

cttactctag actcttcctt ttctcttctc tgtctaagggt gtgccctgag atcacattga 60  
 acaatgggtga aggctgtggc cgttcttggc agcagtgagg gtgtcactgg aactattcac 120  
 ttcgttcagg agggaagtgg tccaaccacc gtaactggat ctcttgctgg tcttaagcct 180  
 ggtctccatg gtttccatgt ccatgccttg ggggacacta ccaatgggtg cctctcaact 240  
 ggatcacatt t 251

<210> 670  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909018H1

<400> 670

ggatattctg aaatcccatc caatcgaagg ctgtgaagtg tgtgatgcac tctatccttc 60  
tttctgcttg aaccataat tccatgactc ggcgttgctc ccaactgcagc aacaacggcc 120  
acaattcccg gacatgccct tcgcgtgggg gcggaggtgt gaagcttttc ggggtcaggc 180  
tgacggatgg atcaatcatt aagaagagcg ccagcatggg caacctaaac ctctcctccg 240  
ccgccgcaca tcaccattcc attcatctcc ttc 273

<210> 671

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 700909035H1

<400> 671

cacctctttt cctcattgt gatttgtgag taattaagat atgtatatgt ctccaggcca 60  
agacatgtca tccatgtcta atgacagaaa caacatgtct atgatgatgc acaacagttt 120  
ctactggggc aaagatgcca tagtgctttt ccctaggtgg cctgagaaca atgttggcat 180  
gtacatctta gccctaattt ttgtgttctt ccttgccatg gctgttgaag tgttatctaa 240  
ccaaccactc ctcaagccag ggactagtc 269

<210> 672

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700909037H1

<400> 672

tttcttagtt gttcagacac ggttctggga actgccagct tgcaagtctg agttttatgt 60  
ctggaatcca agcttctgat gttcccat tttttttaag ccacaacatt tcccagtgag 120  
ctttctcatg ggttttcaat ggtgacagtc ttgagttcct ttctactggg taggggtagg 180  
ggatattgat ccttattttc tagaggggtt attttagatt catctagttg aacaaagccc 240  
ttgcaaaacc ctttttccag caca 264

<210> 673  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909040H1

<400> 673

ggatgaagct cgttgcgccg agaagtatag agagatatgg gccgagtatc gtaaacttgt 60  
tccatggaga atattgcctt acgtttatta ggatgaaaaa aaaaagggtc tcaccatgaa 120  
ttcttcatcc cttctctctc tccagattaa cagaagcaag ctcatcctag agttttaaaa 180  
atggcagcag cctcctccat ggctctctct tccccatcct tggctggcaa ggccgtgaag 240  
ctgggccccat cagcccc 257

<210> 674  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909041H1

<400> 674

tagagagaga cgcttcgcaa atctcaatcg aatctcagaa aaatgagaga aatcatcagc 60  
attcacatag gtcaggcccg gatccaggtc ggaaactcct gctgggaact ctactgcctc 120  
gaacatggca tccagcccga cggcatgatg ctttctgact ccaccttcgg tgtagcccac 180  
gacgccttca acaccttctt cagcgaaacc ggatctggca agcacgtccc ccgtgctgtc 240  
ttcgtcgacc tcga 254

<210> 675  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909047H1

<400> 675

cctgcacaga ctcaggggat ttcgatttcc aagaccatgc agttggaaag ttctattcaa 60  
acccttggtt ccagtacttt aaccgaaacc cctagttcta ttcacgcgat tccgcagaac 120



cagagcgtct tctccagaga attgaacttt tctgagtatg gtttcgaccc aaagactggg 180  
aacaatcaga atcaccattc tctgaagccg gaatccggcg agattctcag ctccggcgag 240  
agcaagagaa 250

<210> 676  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909048H1

<400> 676

gtcaccaaca acgaggagtt gaaaacaatt gggccaacc tttggaagga agagccaaag 60  
tgtctagaat ggcttaactc aaaagaacca aattcagtgg tttatgtgaa ctttgggagc 120  
attatgggtca tgactagtga ccaattgaca gagttagctt ggggacttgc aaatagtaac 180  
aaaaactttt tgtgggtcat taggcccgat cttgtggcag ggggaattaa ttgtgcgtta 240  
cccaatgaat 250

<210> 677  
<211> 252  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700909057H1

<400> 677

cagatagata cacacactct ctcttttcca ctccctcttt cgccgcaaaa acanacaaaa 60  
cccacacttc actctcactc tcattccaatt ncaatnntc gttgttggtg cactgaatga 120  
tcgagtaccg gatgaacctg tggaccgacg acaactcctc cgtcatggag gcctncatga 180  
gctcctccga cctctcctcc ctctggctcc ccacgccgca atccgccgcc tctactacca 240  
ctcctggact gg 252

<210> 678  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909059H1

<400> 678

gctgttcaga gttgtgatgc ttactgttg ctggactcca caagaaggag cttgtctgag 60  
aaggaaacag atagaagctt tgggttgaga aatttcaggt acattgagac catcaaagaa 120  
gctttggaaa gagaatgccc tggagttggt tcatgtgtg atatacctcgt tctctctgcc 180  
agagatggca ttgtttcgct aggaggtccc catatccctc ttaagactgg aagaagggat 240  
ggtagaa 247

<210> 679

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700909063H1

<400> 679

gcatttgcta atggattgca gactattaac aatgatgatt tggaggagat ccgtgagctt 60  
ggttctggaa cctatggagc tgtttatcat gggaaatgga aaggttctga cgttgccatt 120  
aagagaataa aagccagttg ttttgctgga aggccatctg aaagagcaag attgatcaca 180  
gatttctgga aggaggcggt gatgttgagt tcattgcac atccaaatgt tgtctccttt 240  
tatggc 246

<210> 680

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700909064H1

<400> 680

caatttgatt ttggattgga gagaaaaatt ttagccgaag cagagaagga taacccaaat 60  
tggagcaaat ttggatcaga aaatgttccg actaaagttt ctgattcatc aacagcaaag 120  
gttactgctt tggatcccat tgtgagcaaa tttatggcca tggggcttag ccaagaggct 180  
gttcccattg ccgttgaaaa ttatggatgat aatccaacca aagttcagga attcgtcaat 240  
ggctacacc 249

1970-1971 1971-1972 1972-1973 1973-1974 1974-1975 1975-1976 1976-1977 1977-1978 1978-1979 1979-1980 1980-1981 1981-1982 1982-1983 1983-1984 1984-1985 1985-1986 1986-1987 1987-1988 1988-1989 1989-1990 1990-1991 1991-1992 1992-1993 1993-1994 1994-1995 1995-1996 1996-1997 1997-1998 1998-1999 1999-2000 2000-2001 2001-2002 2002-2003 2003-2004 2004-2005 2005-2006 2006-2007 2007-2008 2008-2009 2009-2010 2010-2011 2011-2012 2012-2013 2013-2014 2014-2015 2015-2016 2016-2017 2017-2018 2018-2019 2019-2020 2020-2021 2021-2022 2022-2023 2023-2024 2024-2025 2025-2026 2026-2027 2027-2028 2028-2029 2029-2030 2030-2031 2031-2032 2032-2033 2033-2034 2034-2035 2035-2036 2036-2037 2037-2038 2038-2039 2039-2040 2040-2041 2041-2042 2042-2043 2043-2044 2044-2045 2045-2046 2046-2047 2047-2048 2048-2049 2049-2050 2050-2051 2051-2052 2052-2053 2053-2054 2054-2055 2055-2056 2056-2057 2057-2058 2058-2059 2059-2060 2060-2061 2061-2062 2062-2063 2063-2064 2064-2065 2065-2066 2066-2067 2067-2068 2068-2069 2069-2070 2070-2071 2071-2072 2072-2073 2073-2074 2074-2075 2075-2076 2076-2077 2077-2078 2078-2079 2079-2080 2080-2081 2081-2082 2082-2083 2083-2084 2084-2085 2085-2086 2086-2087 2087-2088 2088-2089 2089-2090 2090-2091 2091-2092 2092-2093 2093-2094 2094-2095 2095-2096 2096-2097 2097-2098 2098-2099 2099-2100 2100-2101 2101-2102 2102-2103 2103-2104 2104-2105 2105-2106 2106-2107 2107-2108 2108-2109 2109-2110 2110-2111 2111-2112 2112-2113 2113-2114 2114-2115 2115-2116 2116-2117 2117-2118 2118-2119 2119-2120 2120-2121 2121-2122 2122-2123 2123-2124 2124-2125 2125-2126 2126-2127 2127-2128 2128-2129 2129-2130 2130-2131 2131-2132 2132-2133 2133-2134 2134-2135 2135-2136 2136-2137 2137-2138 2138-2139 2139-2140 2140-2141 2141-2142 2142-2143 2143-2144 2144-2145 2145-2146 2146-2147 2147-2148 2148-2149 2149-2150 2150-2151 2151-2152 2152-2153 2153-2154 2154-2155 2155-2156 2156-2157 2157-2158 2158-2159 2159-2160 2160-2161 2161-2162 2162-2163 2163-2164 2164-2165 2165-2166 2166-2167 2167-2168 2168-2169 2169-2170 2170-2171 2171-2172 2172-2173 2173-2174 2174-2175 2175-2176 2176-2177 2177-2178 2178-2179 2179-2180 2180-2181 2181-2182 2182-2183 2183-2184 2184-2185 2185-2186 2186-2187 2187-2188 2188-2189 2189-2190 2190-2191 2191-2192 2192-2193 2193-2194 2194-2195 2195-2196 2196-2197 2197-2198 2198-2199 2199-2200 2200-2201 2201-2202 2202-2203 2203-2204 2204-2205 2205-2206 2206-2207 2207-2208 2208-2209 2209-2210 2210-2211 2211-2212 2212-2213 2213-2214 2214-2215 2215-2216 2216-2217 2217-2218 2218-2219 2219-2220 2220-2221 2221-2222 2222-2223 2223-2224 2224-2225 2225-2226 2226-2227 2227-2228 2228-2229 2229-2230 2230-2231 2231-2232 2232-2233 2233-2234 2234-2235 2235-2236 2236-2237 2237-2238 2238-2239 2239-2240 2240-2241 2241-2242 2242-2243 2243-2244 2244-2245 2245-2246 2246-2247 2247-2248 2248-2249 2249-2250 2250-2251 2251-2252 2252-2253 2253-2254 2254-2255 2255-2256 2256-2257 2257-2258 2258-2259 2259-2260 2260-2261 2261-2262 2262-2263 2263-2264 2264-2265 2265-2266 2266-2267 2267-2268 2268-2269 2269-2270 2270-2271 2271-2272 2272-2273 2273-2274 2274-2275 2275-2276 2276-2277 2277-2278 2278-2279 2279-2280 2280-2281 2281-2282 2282-2283 2283-2284 2284-2285 2285-2286 2286-2287 2287-2288 2288-2289 2289-2290 2290-2291 2291-2292 2292-2293 2293-2294 2294-2295 2295-2296 2296-2297 2297-2298 2298-2299 2299-2300 2300-2301 2301-2302 2302-2303 2303-2304 2304-2305 2305-2306 2306-2307 2307-2308 2308-2309 2309-2310 2310-2311 2311-2312 2312-2313 2313-2314 2314-2315 2315-2316 2316-2317 2317-2318 2318-2319 2319-2320 2320-2321 2321-2322 2322-2323 2323-2324 2324-2325 2325-2326 2326-2327 2327-2328 2328-2329 2329-2330 2330-2331 2331-2332 2332-2333 2333-2334 2334-2335 2335-2336 2336-2337 2337-2338 2338-2339 2339-2340 2340-2341 2341-2342 2342-2343 2343-2344 2344-2345 2345-2346 2346-2347 2347-2348 2348-2349 2349-2350 2350-2351 2351-2352 2352-2353 2353-2354 2354-2355 2355-2356 2356-2357 2357-2358 2358-2359 2359-2360 2360-2361 2361-2362 2362-2363 2363-2364 2364-2365 2365-2366 2366-2367 2367-2368 2368-2369 2369-2370 2370-2371 2371-2372 2372-2373 2373-2374 2374-2375 2375-2376 2376-2377 2377-2378 2378-2379 2379

<400> 681

<210>	682
<211>	107
<212>	DNA
<213>	Glycine max

<400> 682

<210>	683
<211>	244
<212>	DNA
<213>	Glycine max

<400> 683

247

<210> 684  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909082H1

<400> 684

cgtagacgca cattctcctc aaagacaaca atggcaccaa cagccaagac tctgacttac 60  
ctggcccagg agaaaaccct agaatcgagc ttcgttcggg acgaggagga gcgtcccaag 120  
gttgcttaca acgaattcag cgacgagatc ccagtgattt ctcttgccgg aatcgacgag 180  
gtggatggac gcagaagaga gatttgtgag aagatcgtgg aggcttgcca gaattggggg 240  
atattccagg ttgttgatca cggt 264

<210> 685  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909085H1

<400> 685

atcaagagaa acgataggac attcaagctt acagagccat tgtagagca ctgccctcct 60  
ggatgaattcg ttcgtgaaat ccctctttca actcgaattc ctgaagatgc caatatagaa 120  
gcatactatg atgagccagg atctgtgctt gagataatgg tgccaaaact tcttccagga 180  
gcagaagagc atgaagttcg tgtttgcctt cgcccaaatg tggggaatga tctcatgttg 240  
acttgagtta tagac 255

<210> 686  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909103H1

<400> 686

acgcagaact gccaatctt caagctaaca taaacaccat ggaagccgtc caagtcatat 60  
ccaccactac aatcaaggca ccaccgagtc acaataacca tgactcagtt cagaaaatcg 120

atttaactcc ctgggatctt cagttcctcc caattgaaac cattcagaaa ggccttcttt 180  
 ttcgcaacaa aaaacacaca gaaaaccaa tcgagcacct ccaacactcc ctttcatcca 240  
 ctctcgcctt cttt 254

<210> 687  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909104H1  
 <400> 687

cctaacccta gaagaagaaa aaaaccacaa ccaccaccat ctaggggttt tctttttctc 60  
 atggctagtt tgtcaactag gattttcttc atcatgtccc ttgtgtgcct ggctctcggt 120  
 ccaatggcac aaggggaaat gacatgtggc caggttgtga gcaacctgac cccatgcac 180  
 tcctatgtgg tgtatggtgg aaccaatgtt cctgaacagt gctgcaatgg gataagaaat 240  
 ctctatggca tg 252

<210> 688  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909142H1  
 <400> 688

gtgcaatttc gtcctctaac actcttcaa atcatggcta gctcactgct tgtgagggtt 60  
 gccagctgca tgggtgtggt gtggatgttt agttttgggc acataattcc cttggcagaa 120  
 gctgaaattc catgtggcag ggtgcaaadc actgtggctc catgcatagg gtacctaagg 180  
 ggtcctggtg gaggtgtccc tgcaccatgc tgcaatgggg ttaagagcat aaacaaccaa 240  
 gccaaa 246

<210> 689  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909143H1

<400> 689

cagcttcttg ttgccctgag aaactttgtg gttgcacttg gttaccagtc acccatttgc 60  
tacaatatac tactgccaat tctggagaat ggaattgata ttaatagtcc agatgaactc 120  
aatctcctag aagatagcat gctgttatgg gaggccacac tttctcatgc tccatcaatg 180  
gtgcctcaat tgttacaata tttttcacgc cttgtggaga ttatggaaag aaattttgac 240  
catttac 247

<210> 690

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700909145H1

<400> 690

gaggttgtga cggttacaaa gggggcgatg gtgtgcttga agtggagatt cgctgaggtg 60  
tgttcagatg gtttgttggg tttgggtggg gagaggggag cgctcggaacc tggcgtggcc 120  
ggtacggggt cggccgagga gggatatgac cttcttgaac ttggagactg ccacgtcagc 180  
gacgaccttg cagtccatgg cgatggcgat ttcattagag ctattgttgt tgatttgatg 240  
gcggg 245

<210> 691

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700909150H1

<400> 691

agttctctca cacactcatt cgggtgctccg aatctcagat tctagggtta gggttcccaa 60  
tttctccacc gatcagaaaa tgagttcaac tgggtggttct accaagggcg gaaggggcaa 120  
gcccaaagcc tccaaatccg tttcaagatc gcagaaagct ggtctccaat tccccgttgg 180  
aagaatcgct cgattcctta aggctgggaa atacgccgag cgtgttggtg ctggtgctcc 240  
tgtgt 245

<210> 692  
<211> 299  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700909203H1

<400> 692

gtgttttcgg agttattcgg agtgtttggg ttncacgtag accacntggg tntgcnttta 60  
ttgactttga tgaccgcaga gatgcacagg atgctatccg ngaatnggat ggnatgnttn 120  
gaagnatgat gttgttgga tgtantagan tttagatcaa nnttanaatg tgcataatn 180  
tgnatatttg ctacattctn tctnatctgc taatntgnta ttgttttaac ccccanngtn 240  
ttttccggnt gatatgttga agggttttcc tcaactagct agttaagtct ctttgtggg 299

<210> 693  
<211> 288  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700909222H1

<400> 693

atgggagtta cacagtgcac aatcgcgcat gcacttgaga agacaaaata tccagattca 60  
gatttatatt ggaagaaatt tgaggataaa taccactttt catggccaat ttactgctga 120  
nntaatagc catganntat gctgatttaa tcatcacnng tnnataccng gggattgnng 180  
gaccgaaaat nanggtnggc cnngnnnnga anccngctgg tttnccttc ctgggtcccn 240  
aanggtgtt cnangcnntg nagttttgna ncccaggcca atngnggc 288

<210> 694  
<211> 136  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909237H1

<400> 694

aaatggtatt aaaatcacac aatagtttga tttccggttt ttggactgaa tgagtcaata 60  
agacatgtat tttatttgct tatgtaattt ttcagctata aatggactcc tgtattaata 120

attcttgcac agctct

136

<210> 695  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909308H1

<400> 695

gttatcctaa tgggtgccgt tgaaggttac cgtattgctg gtggccccct cgtgaggtc 60  
actgacccaa tctaccagg tggcagcttc gaccattgg gccttgctga tgaccagag 120  
gcttttctg agcttaaggt gaagaactca agaacggacg attggccatg ttctctatgt 180  
ttggcttctt tggtcaggcc attgtcaccg gaaagggctc attggagaac ctcgccgatc 240  
accttgctga cctgtcaac aacaacgcct gggc 274

<210> 696  
<211> 279  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909312H1

<400> 696

ttcccatgct ggtagcctca caaatttggc aaagtgcccc tcttcaactc ttcaaattct 60  
tggtgcggag aaggctttgt tcagggcatt aaaaacaaga ggaaacactc ccaaatatgg 120  
tttgatattc cactcttctt ttattggcgg gcattctgcca aaaataaggg cagaatggct 180  
cgatatcttg caaacaatg ctcaattgca tcacggattg actgctttgc tgaaaggggt 240  
actactgttt ttggggagaa actgcgtgag caagttgag 279

<210> 697  
<211> 280  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909314H1

<400> 697

attagttcat tctctttgcg cagttcccta cctctccttt caagatgcag atcttcgtca 60



agaccctcac cggaagacc atcacccttg aggtggaaag ctctgacacc atcgacaacg 120  
tcaaggccaa gatccaggac aaggaagaat tcccccgat cagcaacgtc tcattcttcgc 180  
cggaagcag ctcgaggacg gccgtaccct cgccgactac aacatccaga aggagtcaac 240  
ccttcacctt gtccttcgtc tccgtggtgg catgcagatc 280

<210> 698  
<211> 273  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700909322H1  
<400> 698

ctgaaacatc ttcattcatc acgaacgacc ataaattttc tctctttccc tttccctctc 60  
tctgtctgtg ttttttctta aaaaattctg tgagaggcat agaggaagat gaaggaaagc 120  
agtgatgggt ttgtgagagc ggacagattg atctgaagag catagatgaa cagttggaga 180  
ggcacctcag caagggtgtg accatagaaa agaaaaagcg ctctgaaggg gaagaagatg 240  
ctgatcatgt tcattcttcatt gttcacacca cca 273

<210> 699  
<211> 273  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700909347H1  
<400> 699

ctagcattgt gatgttgatt gcatatgtag tctacattgt ctttcaactg tggacacaca 60  
ggcagttatt tgaagccgaa gatgaggggtg aggatggtga ggacggtgaa gaagaacaag 120  
ctgtgattgg attatggagt gcattgcttg gttggtaggg atgactgtgt tcattgctgt 180  
gttgtctgaa tatgtggtgg atacaattga ggatgcatca gattcgtggg gtttgtctgt 240  
gagctttctc agcataatct tgctaccaat agt 273

<210> 700  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909378H1

<400> 700

tgccatcgaa aaagactact gtgaagcaca agaacttaaa tcctgaatgg aatgaagaat 60  
tcaatatggg tggttaaagat ccagactccc aggttttaga gattaatggt tatgactggg 120  
agcagggttg gaagcagaca agatgggtat gaatgtgatc cctttaaaag aagtttcccc 180  
tgaagagact aaacgttttt ctcttgacct ctaaaaaat atggatccta atgatgtcca 240  
aatgagaag tcacgagggc agattgt 267

<210> 701

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700909383H1

<400> 701

gccaagagg ccctccgaca agcctctaag gcttcattg caggatgtct acaagattgg 60  
tggtattggg actgtgccag tgggacgtgt agagactggg gttgtgaagc ctggtatggg 120  
ggtgactttg gtcccaactgg gctgacaact gaggttaagt ctgttgagat gcaccatgag 180  
gctctcacag aggctcttcc aggtgacaat gttggattta atgtgaagaa tgttgagtc 240  
aaggatctca agcgtg 256

<210> 702

<211> 288

<212> DNA

<213> Glycine max

<223> Clone ID: 700909401H1

<400> 702

cagaagtgt cacgaaaatc tccttcaggc tcccttattg tctagatcaa atagcactga 60  
ggcttcattg gcaaaggata attcctctaa tgatgtaaaa aatgggtcaag ggtacaaagg 120  
tcatagtatg cttgtctcctt tcacggctgg gtggcagtct tctgatttgc accctctgat 180  
catagaaaag tcagagggaa gctatgtata tgacattaat gggaagaaat atcttgatgc 240  
acttgctggg ctatgggcca cttcttttagg gggaagtgaag ccacgcct 288

<210> 703  
<211> 280  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909410H1

<400> 703

gtaatccctg aagtcacatg acatgggtgg gcagctcacc acaacaacct ccttttgaaa 60  
tggacataaa ttaatatatta caggtatctg attctagctt gagtcccat ttctgtatga 120  
ttctgggtaa tgatttcctt accggtttgg tcagtgtgaa ctaccaactt ggctatttaa 180  
agtgtcatat gttattgctt taattaactt attgccacag cagtagtgaa gataaacttc 240  
ttgatatagc actagtaaac atgtggattg atttaattgc 280

<210> 704  
<211> 280  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909414H1

<400> 704

ggaaagctga aaggcattgt tggagagagc agaacaaact acatcctatc caatagtctt 60  
tatcttgtgg tggcaggtag tgacgacatt gccaacacct attttgttgc tcacgccaga 120  
atattacagt atgacattcc ttcttacacc gaccttatgg tcaactcagc ctctaatttt 180  
gtaaaaggaa tgtataatct gggagctcgt agagtttcag tactgggtgc accaccgatt 240  
ggatgcgtgc catcacagag aactctggct ggaggggctaa 280

<210> 705  
<211> 278  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909421H1

<400> 705

agagattata acatatctgt taaagggtgt acggatcttt cttttcatgc taatcaaaag 60  
cttgggtggag atcataagtg gggctcttgc tctttgactg aaaaacttct atcaaaacag 120

cttaaaaaagc ccaacaaaat aagactggga aattgggagg ctctgtttt gtcaaaggag 180  
 caactagagt atgctgcaac agatgctttt gcttcttggg gtctttatca ggcgattaaa 240  
 gatctcccgg acgcccagaa agtcactgac agaagtgg 278

<210> 706  
 <211> 281  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909422H1  
 <400> 706

gctctttctc tcttagaaaa caccctctac cgcctctaag tcctacaaga acccatcccc 60  
 tccccagccg ctcccaaaat ctcaactctt ttactcttct tcctccaaga gaagtaaaca 120  
 accctcacat tcaccacagc agcacacaca gacaaagaca accttgtttg tctccaatca 180  
 aaacctttca agctggcggt cgaaaaccaa gacaaccctg tccgagaaat caagcccaag 240  
 aataggagaa tcatgggtgc tggaggccct gatgatgagg a 281

<210> 707  
 <211> 276  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909437H1  
 <400> 707

agataacccc agcattaaat cttcctaaag atctcccatg ttttggtaga aacaacaaac 60  
 aaattatggt gaactataaa aaagattgca gggattgtga aagattattc caaggcatcc 120  
 tccatttcca tgaggtgagt gaatcgaaat tgtgcttgaa acacaggaaa gccacatcct 180  
 tgaggtgcac tttcagaatt tgattagtag agtgctttgc tggaatgcca tctggatacc 240  
 agtagcattt atgttgaaga aggggtgccaa tgtttg 276

<210> 708  
 <211> 275  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909441H1

<400> 708

gcagagatga tggttaaagtg gcttttagctg gtgatattat tgctcttgca ggtttgaaag 60  
atactattac aggtgaaaca ttgtgtgacc ctgataatcc aatcgtgctc gagcggatgg 120  
acttccttga tctgtttatt aagggttgcaa ttgaaccgaa aactaaagct gatgttgaca 180  
agatggcaac tggtttaatc aaacttgcac aggaagaccc ttctttccac ttctcccgtg 240  
atgaagagat aaaccagaca gtaattgaag gaatg 275

<210> 709

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700909443H1

<400> 709

taaatctctt gttgccttct ttcttacaga ttgttctctt tcatgctagc atatcatcca 60  
taaatgcatg catgctttgc aatttgcaaa acagttttat gccaaattca actaacttta 120  
gtttttgggtt ggtgatgggg ttttagggga ctacagaact tctatggcca aaacgtagtt 180  
acatgtgaaa ctattaggtg aaacattgat gtattaggaa aacaccataa ctaactgcga 240  
tattgacgat tatgtccttg ttggaaatga gttgca 276

<210> 710

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 700909453H1

<400> 710

gtgaaatcta acaccgagcg tgtagatagt ctatgaaatc caattaaatg ttcttctgag 60  
aacaagaac ataagataac aaacagaaaag cgcttataaa tggctttcca cgaccatcta 120  
ccgcacgaaa tcacgttcca gccgtttacc gaggagcagc agttaggtca gagcagggac 180  
atgcagcggc tgctcccgtc ctccggcggg gcgccgacgt ggctgaacaa cagcaccgcg 240  
gcgacgctcc gccagcagaa tttctccac ctgc 274

<210> 711  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909456H1

<400> 711

gagagagagt gagagagtga gtgagataga gagagacgct tcgcaaactct caatcgaatc 60  
 tcagaaaaat gagagaaatc atcagcattc acataggtca ggccgggatc caggtcggaa 120  
 actcctgctg ggaactctac tgccctgaac atggcatcca gcccgcgggc atgatgcctt 180  
 ctgactccac cttcgggtgta gcccacgacg ctttcaacac cttcttcagc gaaaccggat 240  
 ctggcaagca cgtcccccggt gctgtcttcg tcgac 275

<210> 712  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909460H1

<400> 712

gtggagtcag tagaagttta gaatatatca actgcaagtt aattagtcaa tattacctat 60  
 ttatttttga atgtatatgc agtgaattag taattaataa cgtttttatt atattaactc 120  
 aattaactag acatgttttc atgcacatat atgttttttc ctatcaagtt cagtctagct 180  
 ggaacttggt gtcaaccctt taccctgtc cttgaagat gtttcactct ttcaatgaat 240  
 gttcaagaag taaaattcat cagcagattc aa 272

<210> 713  
 <211> 270  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909471H1

<400> 713

agactacatc attctgtctt gtgttagaag taatgaacat cagggcattg gatttctgaa 60  
 tgatcctagg aggctcaatg ttgcttgaca cgagcaagat atggcattgt tatttttggga 120  
 aaccctaaag ttttgagcaa acagcctcta tggaatagtt tattgactca ctacaaggaa 180

catgagtgc tagttgaagg gccttttaa at aacttgaagc aaagtatggt tcagttccag 240  
aaaccaaga agatttaca tgaacgaggc 270

<210> 714  
<211> 183  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700909485H1  
<400> 714

tccatataca tgtacttttt aattacccat tcaatcccat atgatttatg gtccttggg 60  
gctgattttg taattgtaac aattcacttt tgtaatttat gtacaacaac caagaattgc 120  
taaacgcata tacagtttgg cgattcacat tcaatttttt aattccattt ctccatcaca 180  
cac 183

<210> 715  
<211> 159  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<223> Clone ID: 700909487H1  
<400> 715

gcagtatctg gcaatttgca gaatgaaatg gtgcacatct atcttttctga agtacttgat 60  
tggtatgctg atttaagtgc tcaagaaaaa tgggatgaga aagatcattc cccaacaagg 120  
naaaaattnt tgactgcctt agagagtata gcaggatac 159

<210> 716  
<211> 151  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700909527H1  
<400> 716

aagatggctt cctttgtatc cttcctagtg ctgcttcttg cagcccttat cctcatgcct 60  
caagggcttg ctacttacta caaaccaatt aagaagccac cagtgtacaa gcctccagtg 120

tacaagccac cagtgtacaa accaccggtt t

151

<210> 717  
<211> 244  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700909529H1  
  
<400> 717

agcaaanang cgaagacccc tttttcnggt tattnncaga gtcattccnan ncccangtct 60  
nctangctct gtagctcnaa tggtnnggcta ntattntcng acctttgggt tgggggttgn 120  
atggcttgcg caagcgatag gttgatnagc ttgactgcac ttgaatctct gtagtctcat 180  
gagnngcnta tgatcggntg aatgtggtgn aaatagtggg ntagngtga acnttanngc 240  
cggc 244

<210> 718  
<211> 255  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909534H1  
  
<400> 718

catgagggtg tgtgtagag atatgatata aaaccattta tctatgttca cctaataact 60  
taagcttttg agatagtagg ttcattacat tattaaatat tttggagttt caacataatt 120  
gctatgtagg aaattcataa gaggaacact taggggatgc atgtgtagtt actcttataa 180  
atgtgagtcg tgtatacatt cgggttcaca tacttatcat gtaagattga atggatataa 240  
aatagttcct ctctc 255

<210> 719  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909558H1  
  
<400> 719

tggtgagaag cgtcagatga ccaaggctgt agcaatattg gatgaaatga atgtggcagg 60



tggtggacca aatgaacaca catatacaac tcttatgcaa gggtatgctt cactgggtga 120  
 cactgaaaag gcctttcagt actttacagt gttgaggaat gagggcctgg agattgatgt 180  
 ttatacttac gaagcggttat tgaagtcagt ttgcaaatca ggcagaatgc agagtgcctt 240  
 tgcagtcac 249

<210> 720  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909579H1  
 <400> 720

atgagatttg ggatctaggt aacaaagaac agtttatgct gcttccatat ctgatataga 60  
 atccttgaaa atgacatttg tatttaaaga ttgggggtga agagctctgt catggggaaa 120  
 agaatccata cttgggtgaa ggaggctttt attcttggat gaaacaaggt ctccgtatca 180  
 aggaactcaa acctgagaca gcactttcca tcctcaatga ggaagctgaa gcaattctgg 240  
 aggat 245

<210> 721  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909594H1  
 <400> 721

atcgtatctt caagtactca ggttgcagcc catcatgctt tgcgtggca cacatatatg 60  
 tggacagatt cattcaacac acagaaatca aattgacttc actttatgtg caccggcttc 120  
 tgataacaag catcatgcta gcagcaaagt ttatagatga cgcattctac aacaatgctt 180  
 actatgcaaa agttggagga gtgagcacgt ctgaattaaa cagggttgag atgagctttc 240  
 tattt 245

<210> 722  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700909657H1

<400> 722

atcagaaaaa gcttgatgtt gttntcaa at gagggtttct ncaaactgct tgagggtcaag 60  
tgaggaggaca gggataatag catcagagga ggaagatgtg ccagtggcag tagaagagag 120  
ttattctgga aactacattg tggngtttga cccacttga tgggtcngcc caatantgat 180  
gctgcagtgt ccaactgggg tccattttgg gatatacagc cccangatga gtgncttgct 240  
gaca 244

<210> 723  
<211> 235  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700909696H1

<400> 723

tttga aaatg gtatccaaaa acccgaaccc gcccgaggga tntacttgg atcctagtgg 60  
tg gcatggct cttccgggga agcctccctt cgcttccgtn nnnnnnnnnn nnnnnnnnnn 120  
gaactcgtcg gaggacgccg ccaagaagat ccgcaagccc tacaccatca caaagtcaag 180  
ggagaactgg accgaaccg aacacgacaa ttcctcgaag cantcaatgt ttgac 235

<210> 724  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909715H1

<400> 724

caagttgtaa tatttgtggg gtaaaagcca tgattcagat aattggggct tgctgacata 60  
aaggcatgat tgaactctcc actcctttct atataatccc ttccacacgc acttctccat 120  
ggatcatagtc acaactagag atgacgggtc aaaaggaaga tttgggcttg agtctaagtt 180  
tgagcttccc tctcctctcc tcttctcctt ccagcccaca accctcagaa accctcttgg 240  
aacgacccta ttttcact 258

<210> 725  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909719H1

<400> 725

actccgtcca atggaatcct gcaagcatca tattctctgt ggacgggacc ccaataagg 60  
 agttcaagaa ttggagaca aaaggggttc cattcccaa gagccaaccc atgagaatat 120  
 actctagtct ttggaacgt gaggattggg ccacaagggg tgggcttggtg aaaacggatt 180  
 ggagcaaggc ccatttcaca gcctcatata gaaacttcaa ttcccaaact tcttctcca 240  
 ctggccaatc actggagccc 260

<210> 726  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909720H1

<400> 726

gaaagaagga aggagacatt tataaaaagc tctttccctt ccctaaatc cctcacactc 60  
 attccatttt tacctttctc tctcgctcgc aaacgcaaat aataaaaaac aaggtttttag 120  
 ccatggcatc gaagcggatc ttgaaggaac tcaaggatct ccaaaggat cctoctacct 180  
 catgcagcgc cggctctgtt gctgaagaca tgtttctactg gcaagcaaca attatgggtc 240  
 ctccagacag tccttatgct gg 262

<210> 727  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909723H1

<400> 727

aaataattct cgtagctttg ttgctcttat aaattctatt ctggttgacg cttctctcac 60  
 catccccatt tcgcgttggt gcaaagcatc ctctgtttca atttctctct ctcagcgctt 120

tctgcaatcg aacctttcat ctccaaaggg atccacaggg cgaaggagaa atggggctga 180  
cattcacaaa gcttttcagt cggcttttcg cgaagaagga aatgcgaatt ctgatgggtg 240  
gtcttgatgc tgctgggt 257

<210> 728  
<211> 255  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909725H1  
  
<400> 728

gtggagtaac aacaatcacc ctgaacatga caaaactggt cgttttggag agtatcagaa 60  
ctcgggacct ggtgcagacc ccaaagggcg tgctactata actaagcaac taagtgaaac 120  
gcagggttaaa ccttacataa cacttgcat gattgaaggc tccaaatggc tacttcctcc 180  
tccaaactccc aagggttaat taattaccac atttttgtct ggcttgagga ataatgcacc 240  
ccatgtttta gtgga 255

<210> 729  
<211> 253  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909728H1  
  
<400> 729

gggaagtggg agccatgact ggggatgggt ttaatgatgc tcctgccttg aagcttgcag 60  
acattggtat tgcaatgggc attgcagga cagaggtggc aaaggaagct tcagatatgg 120  
tgttggcaga tgataatatt agttcaattg ttgctgctgt tggtgagggt agatctatct 180  
acaataatat gaaggccttt atcaggtata tgatctcttc caatattggc gaggttgctt 240  
ctatatatttt aac 253

<210> 730  
<211> 252  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909731H1

<400> 730

cttgactggg acaagggacc aactctcctt gaggctcttg accaaatcaa tgagcccaag 60  
aggccctcag acaagccact caggcttcca ttgcaggatg tctacaaaat tgggtggtatt 120  
ggtaccgtgc cagtgggacg tgttgagact ggtgtcgtga agcccggat ggtggtgact 180  
tttgggtcca ctgggctgac aactgaggtt aagtctgttg agatgcacca tgaggctctc 240  
acagaggctc tt 252

<210> 731

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700909734H1

<400> 731

aaaattcact atggattaac agtctcatat tatggttttg ttggtgatgt gttggaactt 60  
tctgaaaaat atcagaagcg ctttggcccg ctgcgggtatt ttgttgctgg attcttcaag 120  
ttcctatgct taccacgcta caactatgaa gttgaatata ttccagcttc aaagactgag 180  
agagaaggaa agctttctgg tgaaaaggaa gtagttgaca tgtcagatct gtatactgac 240  
atcatgagca gatcaaa 257

<210> 732

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700909737H1

<400> 732

cactgctgct cactggtcag agaagtacaa ccatgtgatc aaggccatga ctcaaaaggg 60  
ttatagtttc gtcgggtatc tacctttgat tccattgaa gagatagcca aggcattcaa 120  
gcaggagag gcgaacttaa aaggagataa tgcagcctct gaggaacaaa gattagaatc 180  
tgcactgat tctgattaaa ttcagcttta cttcttcaaa aaaatttgct tatgagtga 240  
cttgttttgt gggttg 256

<210> 733  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909738H1

<400> 733

ttggaattca actcttctct ttctctgtcg aagaacaagt agtttcagaa agatgctaga 60  
 gaatcttcag gtcctccgt caacaacgga atcggcccca gtggtgaagc gctatgctcc 120  
 acccaaccag aggaaccgtt ctgctaacag gcgcaaatca tctgatcggc ttgatcggac 180  
 aaacagtgtc gggaatgact tagaaaagaa tcaagttgct tcttcaagaa gtgttcacat 240  
 tccagatcat gaaga 255

<210> 734  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909747H1

<400> 734

cttggcatct tgtgttgtgt cctcttttta agctatttcc ttctcttaac acaattgggtt 60  
 gtgccaatg ccatagtcac caaccaatta acaaaggat atatatcatc atatcatcac 120  
 caaatgaaaa atattgggtt gttttttctt gtggtggtgg ctacttttgt ggtggcagcc 180  
 acagctggtg gcttttacca agactttgaa ataacgtggg gtggtgagcg tgccaaaatc 240  
 tatgagaat 249

<210> 735  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700909751H1

<400> 735

ccacattcaa atccaaatgg ccctttacat tacactaata attggcctcc tagtaaacac 60  
 cctagtactc tataaatagc atttgcagc accttagtct tcacaaaaat actcctcttg 120  
 gcatcttggt ttgtgtccct cttttaagct atttccttct cttaacacaa ttggttgtgc 180

caattgccat agtcaccaac caattaacaa aggtatatat atcatcatat catcaccaaa 240  
tgaaaaatat tggg 254

<210> 736  
<211> 255  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700909752H1

<400> 736

gggntctgna tgaggagtta actagaaaag ttgtcacttt ggtggcagag aatgaaaacc 60  
taaagaggga gaaagaattg gctttgaaag agtatgagtc tttggagact acaaataaga 120  
acttgaagac acagatagcc aagtcaataa aactgnaag tggagaaaac tcctgttgag 180  
cctgtgtcat ctgtggctga gataacacct tcatccggtg atgggtccatg gttcctttat 240  
aacctttttc cagtt 255

<210> 737  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909756H1

<400> 737

gacaaaggct cgtgaagttc tgcaaagaga agatgacctg aatgaaattg tccagcttgt 60  
gggcaaggat gctttagctg aaggagataa gatcacctta gaaactgcaa agcttttgag 120  
agaggattat cttgtcmeta atgcctttac accatatgat aaattttgcc ctttctacaa 180  
gtctgtttgg atgatgcgca acattatcca tttctacaat ttggcaaadc aggcagtaga 240  
gaggggagct gg 252

<210> 738  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909764H1

<400> 738

atggaaatga agaagccgtg ttgtgaagag tcagagacaa ttgttggatc ctgggaatgt 60

tggttcgacg atgcatgcat cgttgacatg gattactttg tgaagaccct ttcaagcatc 120

aaacagaaaag gtgttcgtgc agacttgatt ggttccatca tcaatcatta tgctccata 180

tggctccctg acctctcttc ctctgctgaa aatgggtgtca ccactcactt ccaatcccc 240

gaaag 245

<210> 739

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700909769H1

<400> 739

acaatttctg gctcaaaaaa ctccctcttg ttgtgtctca ctttcatctt tctataatga 60

tacccttggt ccctgcctaa catgtgcatg tggctgcaa agtaactcat ctcaagtcagg 120

gacttggtga gatccagata caccacattt ggcatcagtt gttgctggct ctgggaagaa 180

taacttttca cctttgggtc aatgtactca tcatatgtgc ccagtcagta tccactggca 240

tggttaagc 248

<210> 740

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700909772H1

<400> 740

aaaataagac attgtttggt ttggttactt gtcgaattt cctcgaatcg cttaatttgt 60

atttgattag ttaaaccgca acgcggaatc tcttttctcg aactggctaa ctctcaggca 120

agtggttcgg acgctgattc cagcaacaag cggctggtgc tcgactgta tgacgccta 180

aactccggcg actccgacgc cgtcgtcaag atcgtcgccg ccgacctcga gtgggtgggtc 240

catggtc 247

<210> 741



<211> 244  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700909776H1  
  
 <400> 741  
  
 cgaacagtga accctcacct aacaatcaga acccaggatt tgggtgaaacg atgaacagtg 60  
 ataggaaaat tggggttgcc ttggactttt ccaaaggaag caaaatcgct ctgaaatggg 120  
 ctattgacaa tcttatcagc aacggtgaca ctctctacat cgtccacacc aagccttccg 180  
 gaggaagtga atcaggaaat cttctctggg ccaccactgg ttcacctctg attccattgt 240  
 cgga 244

<210> 742  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700909778H1  
  
 <400> 742  
  
 agggctcttg cttgtgttct gatgatagca atgggtggaac acattctggg gatgctcttt 60  
 ctccgtttct tatctcttgc aatccacatc aacctaaatt ttcacaacca gttcaagttg 120  
 catgtggggc tgctcact gtcattattg cgcattgaggg ttgcaagcta tggctcttggg 180  
 ggagaggaag gaggaggatt cttggaaatg gtaagactat ggatagttac actcccacca 240  
 ta 242

<210> 743  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700909786H1  
  
 <400> 743  
  
 gcaattggtt ggcatcagtg ccatgctgat ggcatccaaa tatgaagaaa tttggactct 60  
 tgaggttgat gaattagtcc gcctcacaga ttatactcat gaacaggttc tggatcatgga 120  
 gaaaaccata ttgaataagc tggaatggaa tttgactgtg ccaacaactt ttgttttcct 180

ggttcgtttc atcaaggcat cagtcccaga tcaggagtta gaaaacatgg cacattttct 240  
gtctg 245

<210> 744  
<211> 238  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909796H1  
  
<400> 744

atcagactcc aaaacagtta accaacaagc ttacttttat gccagagacc tcgaagtcca 60  
tccaaggac acatttgtgt tcagtataga tggcaccgta ctctctaata ttccatacta 120  
caaaaaacat ggatatgggg tggagaaatt taactcgacc ttgtatgatg aatggggttaa 180  
caagggaat gcaccggcac tgcccagagac tcttaagaat tacaacaagc tgggtgtct 238

<210> 745  
<211> 237  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700909828H1  
  
<400> 745

cgaaacagtg gctacagcct ctccagcagt taccaagtct acaccagaag ggaagncaaa 60  
cattgaggaa gggcagtgtt gtgataactg gggcttcac tggactaggc ctggccactg 120  
ctaaggcttt ggctgagacg ggaaaatggc atgtaataat ggctgcagg gattacctca 180  
aagctgcaag agctgcaaaa tccgctggca tggctaagga aaactacacc atcatgc 237

<210> 746  
<211> 240  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909836H1  
  
<400> 746

cttttatttc actccatgat catcactcac acatcaaaca ctactactag ctcttggat 60  
gagtgtcatt ccttctagct aaatctctct cttttgggg atggaattca acaagttcag 120

aatcagaagc tatgaggggc aatctgatag ggctcaagtg gaagatcttg agagaagatg 180

cgaggtaggg ccatcagaaa gcgtgtttct cttcacagac actatgggtg accccatttg 240

<210> 747

<211> 240

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700909837H1

<400> 747

gtgtgatact ntcctttcat cntcttcttc tctctgcat aaaagcaaaa cctaaaattt 60

ggtttaggca taggaatctg ttgtagagtt gatctacctg gaatggaggg agcatcgtgg 120

aatagtagtg tttgtgtggc accgtttctg agcaagacct acgacatggg tgatgatcct 180

tccaccgact tagtggtgtc gtggggcgan aacaacaact cctttgttgt ttggaacgtt 240

<210> 748

<211> 80

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700909838H1

<400> 748

gcgctcggtg cggtcggtct gcggcgagcg gttatncaga ctcatctaca ncaggacngt 60

aatanggtta tgccacanaa 80

<210> 749

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700909849H1

<400> 749

agtgcctata atcatgattg gtctggcac tggattggct cctttcagag gtttcttgca 60

ggaaagatta gctctgaaag aaggaggagc tgaactcggc ccctcagttt tattctttgg 120

atgcaggaac cgtcaaatgg actacatcta tgaagacgag ttgagtcact tcgttaatac 180

tgggcgactt gatgagctca ttcttgcctt ctctcgagag ggacccacca aggagtatgt 240  
ac 242

<210> 750  
<211> 233  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909860H1  
  
<400> 750

ggattgtcat agtccaggac aaggtttgat gcctgctagt ttttaaggtta ggacagttcc 60  
tttggacggt gatgattctg caacagaaga agttttggat cctgactttg gagaggcagc 120  
cattggtcgt gttgctccag ttgattcagg attgtggtgg attatatttat tacgagcata 180  
cggaaaatgc tctggtgatc tatcagttca ggagagagtt gatgttcaaa cag 233

<210> 751  
<211> 235  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909886H1  
  
<400> 751

gtcttcttcg gatcggtgga acttgaccct gccggcgtga attccgacgc tactcgtggc 60  
gccgaattgc tatagcggtg acgaatatga aggttttctg taagactctc aaaggcactc 120  
acttcgaaat cgaagtgacg ccgcaagaca cggtttctga agtgaaaaaa aatatagaaa 180  
ctgttcaggg tgcagatgtc tctcctgctg cacagcaaat gctaattcat caagg 235

<210> 752  
<211> 233  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700909892H1  
  
<400> 752

gaaaatttta tcctcgtttc aaccttgaag ataccataag tttccaggat ttggatgatc 60  
atagcaagaa tgttctcaaa cgattatacc atgactacta tttctgtcgt caagagaatc 120

tttggaggca aaatgcattg aagaccctgc ctgtacttct aaattcatca gacatgctgg 180  
cctgtgggga agatttgggt ctcatccat cttgtgtcca tcctgttatg caa 233

<210> 753  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909911H1

<400> 753

tgcaatctct acagaatgaa gtggagatat tatcaatgaa actggcagca gttaaccag 60  
taattgattt caacctcgat agcttactgg ctaccgaagg agtgactcca atggactgta 120  
acttcctcc gacagttgca cctgtcatgt ggccagaaat cccacagaac ggaaacagac 180  
aacaatatca gcaaccgtgg cagtttgatg cattccacca acccctttgg gggaggggaag 240  
aagacaaaac taacatg 257

<210> 754  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909918H1

<400> 754

ttcatagtga ggcgtcagtt gagaaaaatg ccagagagct aaaagagtac attgaggaaa 60  
tttattgggg ttcaaataaa cgtgttatgc ttcttggaca tagcaaagga ggagtagatg 120  
cagcagctgc tttatctttg tattggtctg atttgaaaga taaagttgct gggttggcat 180  
tagcaciaag tccctatggt ggaactccta tagcttcaga tcttctgcga gaaggacagc 240  
ttggtgatta tgtaaattta cgg 263

<210> 755  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909925H1

<400> 755

gccgctgggtg gagctcgtgg cggaacaggg gaacggcatg gcggaagaagg ccatgggtggt 60  
gctgaacacg ctggcgggga ttcaggaagg gaaggacgcg attgtggaag aaggcggaat 120  
tgctgctctt gtggaagcta ttgaggatgg gtctgtgaaa gggaaggaat tcgcggtttt 180  
gacccttctt cagctctgtg ttgatagtgt cataaacaga gggtttcttg ttagagaggg 240  
tgggattcct cctctcgt 258

<210> 756  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909928H1

<400> 756

tttccattgc cttcatttct cttacatacg tgggtggtggg atcacagtcc agatggcttg 60  
caatatatgc tacagtgatt ggaagcttga taatgctctc tacaattggc tccatgtgct 120  
attgtgtaat ttgacacagg atggaggaga caaaattgag agccgagagt cgatcgttct 180  
ccatgtctca tgcatacagc caagagattt tgaacagtga atacaagaga atgtacgcac 240  
tgtagtctgt agttagt 259

<210> 757  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700909929H1

<400> 757

cttccttatg atggctctag tggaaagaag ataattggag agatggaggt tgatatggca 60  
agtttaataa taattgggaa tgcttttggc ttgtgttttg caacgtttct ttgaccctct 120  
cgattatgtc ttcaagattg tggataagt tagattaaag tctctttcat gacaggggga 180  
gccttttgca ctttctctg tgggtttctt ccctttagt tgatcattttt ttcttttaag 240  
ttattctctt cagctgtcat 260

<210> 758  
<211> 156

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909950H1  
 <400> 758  
 tctcagaact gtttcctgct ggctctgatg ttatttcaga acttcacaaa ctctatcact 60  
 ccccaaaatt agttgctctt catgagattc ttgaagaatg tggaattgga gttgacaatt 120  
 ctggttctga gggcgcggtt aacgttgggc agcata 156

<210> 759  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700909976H1  
 <400> 759  
 gcacctcgta atcccagggt taccgaagat tcacaccgat gacttgccgg agcagatgca 60  
 ggatcgtgcy aacgaagggt accagggtttt tatcgacatc gccacgtgca tgagggaacag 120  
 tgacgggggtt atagtaaata cttgtgaagc catggaagggt aggggtttag aagctttttc 180  
 cgaaggattg atggaaggaa ccacgccgaa agtggttttgc attggaccgc tgatttcttc 240  
 tgctccttgt agaaagg 257

<210> 760  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700910014H1  
 <400> 760  
 gatcaagcag ctgaaccgca acggccacca agggcacaag gaggggatca acgaggtgaa 60  
 cctgttaggt gtcataagc accctaattt ggtgaagttg gttgggtact gtgccgaaga 120  
 cgatgagaga gggattagag gcttttggtt tacgagttta tgccgaataa gagcttggag 180  
 gatcatctcc ttgcaagagt gccatcgacg ataatccctt ggggaaccag gttgaggatc 240  
 gcgcaggatg cggcgagggg tttgg 265

<210> 761  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700910023H1

<400> 761

gctgcaagac ttttagaagt attgctgaac aatgtgaaga ttcgagaaac gaaagtaaca 60  
aagtcagcta tcgtaccatt atcacagtat cttttggacc cacaaactca agcacagcag 120  
gcaaggttgt tggcatttgg ctcttgggga tctgtttcag aatgaggctc ttgctcgaac 180  
aagtgatgca gtttcagctt gtcgtgcttt agtgaatgtg cttgaagagc aaccaacaga 240  
agaaatgaaa gttgtagcca tatgt 265

<210> 762  
<211> 264  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700910028H1

<400> 762

gcatctcaga ggccaattct ttcgccgctt cttctctctt tccaacgctt cccctgtgg 60  
tgttctcgtg ttgctggtta caatatgggt gttgacgctt tgaatgagga tttgagaatc 120  
aacggagcag ttgaacttgc ctgaggactt tgatgcaaca gctgtaatca tagatcccgt 180  
gcctttggca gttgtagaca atggcattgt caaggaggag gcgcagatca ttaaaggaaa 240  
agagaaaaga gaaatagtac tggg 264

<210> 763  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700910034H1

<400> 763

gaggtttctg gaataaaaaa tactatggag acaagaaaag gtgaatttat tactgaagaa 60  
attaaacatg caagtgtgca gatcatgtgt gctggtgttg taattggact ggtaactttg 120  
gttggtttta agttttacct actaggaatg gctcacccat ttttcgtaaa atgactggtt 180



ccgcaatggg gtcagatact atcaacttag gttccttggg agatgaagaa aaagtagagc 240  
agctaccaaa aatggatgca 260

<210> 764  
<211> 262  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700910038H1  
  
<400> 764

gagaaaaagg catctgttga agaaaatttc aataatgttt taagtccaga catgaacaag 60  
accaatagca gcgatgatgt ggggtatccc gaagagtga acttgacag aagttctggt 120  
gatgattcta tggagaggat ttgcctgaga ctaagcaaat tgattctaag tttaatgttg 180  
atgaacttaa agacaaaata gagattgaag agcctattgt gaaggaggaa agtagtacta 240  
tagctgttgg agatggtctg tc 262

<210> 765  
<211> 261  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700910046H1  
  
<400> 765

gggtgtcgtg ggtttggcca aaggactgag aaaggccaaa agcatgtacc ctttgggtgg 60  
tgctgtgtta ccagatgttc ctgaagaaca tcgtgagatt ctcaaataccc aaggttgcat 120  
tgtcagggag attgacctgt gtaccctcct gagaaccaga cccagttcgc catggcctat 180  
tatgtcatca attactccaa gctacgtatt tgggagttcg tggagtacaa gaagacgata 240  
tacctagacg gtgacatcca a 261

<210> 766  
<211> 264  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700910061H1  
  
<400> 766

ggctaatccc tcactcttgt tcttcagtct cctcctatta tccgccaccg tagccaccac 60  
 cttctccgcc ttcaagacaa agttcggcaa gacctacgcc acgcaggagg agcacgacca 120  
 ccgcttccgt atctcaagaa caacttgctc cgcgccaagt cacaccagaa attggatccc 180  
 tccgccgtcc acggcgctac caggttctcc gatctcactc cggcggagtt tcgccgccag 240  
 ttctcgggcc tgaagccgct ccgc 264

<210> 767  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700910066H1

<400> 767  
 gagaagatag ttttttctct ctccaagttc atggattctt caaactccaa tggagcatca 60  
 cagaggctcc tggacttggc tcaacggctc cgctgtaca aacccccacc attccctgaa 120  
 gacatcttgg tcagatcatg gaagagaagg gagataaggt tgtctcagaa gtgagttaca 180  
 cgaaatcagc caccccaatt gctcaaaaca cagcaaaaat cggatacaag agagctgctg 240  
 ttttgatctg catctttga 259

<210> 768  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700910084H1

<400> 768  
 aactgctact cgctcatccc gtggagggtt cgctctctca gtttcttttc cccaaattgg 60  
 tttttcatct aacaatttac tttgcagaac cgtaacccta accccttccc ctaccttgta 120  
 accttccttt gatccttcac ctgcgagata atgggagaaa caaaggacga agcatacgag 180  
 gaagagcttc tcgattacga ggaggaagac gaaaaggccc ccgactccgc cggagctaaa 240  
 gtcaacggcg aagtaccaa 259

<210> 769  
 <211> 263

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700910094H1  
  
 <400> 769  
  
 gtctaggtgg atttgacaca gcacatgcgg gatgctcgtg cttatgatag agcggctatt 60  
 aaattccgag gagtggaggc tgacattaac ttcaatattg aagactatga agatgacttg 120  
 aagcagatga gcatcttacc aagncaagag ttcgtccacg tgcttcgccg acaaagcact 180  
 ggatttccga gaggaagctc caaatataga ggtgtcactt tgcacaagtg tggaagatgg 240  
 gaggctcgaa tgggccaatt ttt 263

<210> 770  
 <211> 331  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700862947H1  
  
 <400> 770  
  
 cgaggaatca ccgtcgtcgt tgggtgagcga gggggatgaa gatttattag aaccatatga 60  
 aactgagatc tctctaaaat gcttgctttt gcttcttctc tctaaaactg catccttgga 120  
 atcaggcgag acagagtttt cttcattctc gaaaattggc aaaggtaggt agttagttat 180  
 ttgcaatgat agaaggtggt agcatccggc tgaagacatg gcagcaggca gctgtggcag 240  
 tgggttcggc ggtggggggc ttgttgacc ctcgaagagc ggatttgata gcagctcttg 300  
 gtgagacaac tggaaagcct gcttttgaga g 331

<210> 771  
 <211> 327  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700862961H1  
  
 <400> 771  
  
 atttgatgaa gaagatgaca gcattgaaac aatcacactt ggggataaaa ggattggcat 60  
 taagactagt gtcttgagg agaaggctac cgcttgtaac atgctatgtt gctatgctga 120

tgagttgaag gaaggatttt tcccttgat tgaccagggt gctttcacat tggttcctct 180  
tcttaaattt tacttccacg aagaagttag gaaggctgca gtttcagcca tgccagaact 240  
gttgcctcg gcaaaatcag ctgtagagaa gggacagtcg caaggctgtg ataagactta 300  
cgtaaaacag ttgtctgatt atataat 327

<210> 772  
<211> 197  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700862986H1  
<400> 772

cacagaacaa gaaaactgag atatacacca gaattctttc catccttaag aatggcatag 60  
ttgttggtga taagaagttt gaatttctag cattctcatc aagtcagttg cgggaaaact 120  
ctctctggat gtttgctcct acagaaactg gatgtactgc tgcttacata aggaaatgga 180  
tgggaaattt tagccag 197

<210> 773  
<211> 331  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700862987H1  
<400> 773

gtgagtgaga tagagagaga cgcttcgcaa atctcaatcg aatctcagaa aaatgagaga 60  
aatcatcagc attcacatag gtcaggccgg gatccaggtc ggaaactcct gctgggaact 120  
ctactgcctc gaacatggca tccagcccga cggcatgatg ctttctgact ccaccttcgg 180  
tgtagccac gacgccttca acaccttctt cagcgaaacc ggatctggca agcacgtccc 240  
ccgtgctgtc ttcgtcgacc tcgaaccac cgatcatcgac gaggtccgct gcggcaccta 300  
ccgtcaactc ttccaccccg aacaactcat c 331

<210> 774  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700863002H1

<400> 774

ctttctgccca cccccacaaa aggggtgcttg cgtttctttc tgtgatctca accatgaagc 60  
gtccactcac accttcagcc agcggcatga agactaaca gaaagccaag gcgatggaaa 120  
atgacgaaga cgtggagggg ctggggcttt cgacgacaac cttctgttcg aggtgttgaa 180  
gcacgtggac gcgcggacgc tggcgatggc gggatgcgtg aacaaacagt ggcacaaaac 240  
tgcgcaaga 249

<210> 775

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700863003H1

<400> 775

ggggattctg acagtctcaa agagtctggc tcaaagaaaa gggttaggtc tgagtcatgt 60  
gctgcttctg gctccaaggc atgtcgggag aagttgagaa gggataggct taatgacaag 120  
tttgttgaat tgggcgccat tttggagcct ggaaggcctg ccaaaacaga caaggctgct 180  
atcctgattg atgctgtccg aatggtgacc cagttacggg gtgaagccca gaagttgaaa 240  
gacacta 247

<210> 776

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700863012H1

<400> 776

gaaggatatt agtggaaatg ccagagcatt gaggaggttg agaacagcat gtgagagggc 60  
caagaggact ctctcttcca ctgctcaaac caccattgag attgattcct tgtatgaggg 120  
tattgacttc tacacaacca tcaccgtgcc cgtttcgaag agcttaacat ggacctattc 180  
aggaagtgca tggagcccgt ggagaagtgt ttgcgggatg ctaagatgga caagagcacc 240  
gtcca 245

<210> 777  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700863017H1  
  
 <400> 777  
  
 ttgaaatggc catgagcatt gttgaacaga gtggaggcca gtaccatgtg ttggtgataa 60  
 tcgcagatgg ccaggtaaca aaaaatgttg aactaaaca tgggagacca agtccacaag 120  
 aacagaagac tgtggatgcc atagtgcagc tagtaaattt cctctttcaa tcatattggt 180  
 tggcgttgga gatggaccgt gggacatgat gaaggaattt gatgacaata tcccagctcg 240  
 ggcccttg 248

<210> 778  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700863020H1  
  
 <400> 778  
  
 gtgaaataac atcaggtgaa aaatgcttga acatagccat acttcaattt tggaccatgt 60  
 atatgaatga gtggagtaat ggcttgggtc atcgatcggg gtatggattc cttgagcctc 120  
 aatctataca caatgcaaag gtagacgtgg gcaatgtgaa gaatatattg aaaaatggct 180  
 taaggaatct caacgacaac tgtacatagg agcttatttg aatgacgccc attggcaaat 240

<210> 779  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700863021H1  
  
 <400> 779  
  
 gtaattttga cagatatctg gtgaaacagt aggtgaagtg aggattgttt cagatatgca 60  
 cgagcgtaag gctgcaatgg cacaagaagc tgatgcattt gttgctctcc ctggaggata 120  
 tggaaccatg gaagagctgt tgagatgata acttgggccc aacttgggaat ccataaaaaa 180

ccggtaacat agtattttta ctctgtagta caaaatcttt aatataacaa tcaagtgcta 240

<210> 780

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700863026H1

<400> 780

tgcatttgca ttacttggtta tatctctaata tcacagtttt atttcatcag tatcatatgg 60

taactttgac tcaactgtttc gaaaatgaac gacctatttc tgttggtatga tctagttttc 120

atcagttctt catttggttg tgttttctct gcagatgctt tcattggtgt caacattggt 180

acagatgtca ccaacatgcc aagtccaaca gaggttggtg cccttcttaa ggctcaagg 240

at 242

<210> 781

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700863034H1

<400> 781

cttgacagaa agcatgaaat ccaatgttgt aattaatagg acaagtgatg ttgacataat 60

gcaactcctg aatcacatac ataatgctag aaatgccgta tatcagaaac atccgaaaag 120

tgaaagtata attgtgcact ctgaatgaaa ggctttatac ttgctcaggg ctgctcccaa 180

gataacaagc tatcagttgc aattaacagc cagggtatcc agtcgagagc agatgagaag 240

tgggga 246

<210> 782

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700863043H1

<400> 782

taatgttgtg cttgacgaca acttcataag taatcttgga aggactttca atgagtcatt 60

acagattcaa gatgctcata aatctgttct tgcttctgag gagaatgata tctataatgt 120  
 gaatgaggaa aaattatgtg aacaatgaaa gatcaagaga caaacataaa tatgacgtgc 180  
 ttgaaaaaat ctgcaacttt tccaattcct aatacaatgt tgccttcaag cccatctgat 240  
 aag 243

<210> 783  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700863047H1

<400> 783

ctaacattaa ttttctctct caactcaaaa ccagtggaaa aaaaaagtat tatttgctcc 60  
 ttccttcttt cgaatctcat actcacccaa ctaccctcgt gccagttcta tctctttctc 120  
 ctccaaaata attggagtta tgaaagttat catcttttct ctaaattgggt ttctgggtaa 180  
 tccttgttca tagcttttgg attttcccat caagcctcct tttttgttgc tagggcttca 240  
 acc 243

<210> 784  
 <211> 242  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700863051H1

<400> 784

gcaggtagca aatcatcttg accgtatggt atcaaccctt ggaagaaatc ctctgaaggt 60  
 tttggtgcaa gttaaattcga gtggagaaga atgtaagttc agcttaaaat tataatgagt 120  
 tactctaact ccttggtata cttttggatc ttatgaggtt tcctcactcc ctttgggtgt 180  
 gaggaaaatt cttgcttgag gcattagaaa tccttctttt gtacattgta acttgtaaatt 240  
 tt 242

<210> 785  
 <211> 240  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700863052H1

<400> 785

cgtttcttgt gtcgcactgc tgctagtttt gtttctgccc ttatgggaat catctctaag 60  
cctccaatat tgccaaatga tattggaata gctagagaaa ggaatggtgg tttgatagtt 120  
gtgggatcat atgttccaaa acaacaaagc aggttgaaga gctcaaatta cagtgtggtc 180  
agttcttaaa aagcattgag gtatcagttg aaaaacttgc aatgagtcct attgaggaga 240

<210> 786

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700863065H1

<400> 786

cttcacacca ttctcagttt ccaagaaatg aaaatgggct aactcttggg acacgacaac 60  
cagccactcc tggatttcag aatgtcagca tttcaaatac taattataga ggattggagg 120  
actacttccc agaggatgag attcaactag aagtcacgag atgctagaaa atgaagatat 180  
gcagcatctg ctccgtatat ttaatatggg aggaggggcaa tctcatgctc cctttaatac 240  
tcaagaa 247

<210> 787

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700863068H1

<400> 787

gagaaaaata tatccaacta atggctaccc ttattgctcc tagccaccat tcccggggtg 60  
aggatgctga agctctccga aatgctttca aaggatgggg ggctgatgac aaggccatta 120  
tagcaatact gggtcacaga atgttcatca gaggcaagaa atcagaaaag cttatgagga 180  
gatttaccaa gaggatctca tcaaacgcct tgagtccgag atctctgggtg actttgaga 239

<210> 788

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700863073H1

<400> 788

ctttgttgca gatctcacia atgatttcaa agagaccaga atctccaact tcacagaaga 60  
ggacacaatt taccatggaa gctgaagcag agatcaagca aagacattat aaggaagaag 120  
gtgtatgtgt gccagaacc agttgctgtc accacgagcc ttcaagggcc ctgggggacc 180  
tcactggcat caagaagcac ttctgcagaa aacacggcga gaagaagtgg aaatgtgaca 240

<210> 789

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700863090H1

<400> 789

ggtgaatgtg gttgatggac tgaagttgta tgaagattta ttgatagca ctgaaattgc 60  
aaatcttggt tcattggtca atgatctaag ggtttctgga aaaaaaggac agttacaagg 120  
aagtcaggca tatatagttt caagaaggcc catgaaaggg catggaaggg agatgattca 180  
gttgggtggt ccaattgctg atgccccagc agaaggggaa aatatgacag gagcctccaa 240  
a 241

<210> 790

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700951714H1

<400> 790

ggaaagggca aaagccgcta aagtggacag tcaggcagct tattttgaag acccatattc 60  
agtctccagc aacttcactt ccagtgttag cgaactcaca attggcaaga aggatttacg 120  
aaggaacttg aagggaaaat atcgtggtga cgggccatgc atagccacaa accccatcga 180  
caggtgttgg aggtgtgacc ccaattgggc caacaatcgc cagaagctcg cagattgcgt 240  
ccaaggcttc 250

<210> 791  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700951786H1

<400> 791

gcaggatgag gagggaaaag atttcaggtt ctactttgat tttgagcatt taaaggaggc 60  
ggcgtctgta ttggacaagg agcagttttg ggcagattgg aaccaatggc aacaaaaaga 120  
tgggatgagt cttcatcttg tggaggattt cagggtcacg cccatgaagc ttatggatgt 180  
gaaggatgcc ttgatcatga ggaagtttgg atctgtcgag ccggataact actggtat 238

<210> 792  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700951788H1

<400> 792

gttttgtctg ttgttgattt acattaaaca ttacattaca ttacctgccg actagtttac 60  
gctatcagca atagcaagtc ggtcgctcag acacgcacag atctgatctg atctgatcta 120  
tctgaagccg aaaacgccga cggatgatgat gaagatgggg tgttcacgtt gtccttctt 180  
cctcttcttc atctcttag tggcgctctt cccctcgctg ctctccgaga tccgcttc 238

<210> 793  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700951822H1

<400> 793

gtttagtatt ctactctttt ctgcatgttt gttctctcaa cgactcctcc gcgaaagagt 60  
attattcaat attttggttg ggttgaatcc cggggttgaa gcgttgacaga catcacggct 120  
attctaagag tgtctcgctc cctcattcat gtccgatctg tacgacggag gacgggtagt 180  
tgcgtaactg ccgttaaccc ttccgccac ggtgggcgtg gtgctttgcc ttctgaaggt 240

ggtagccctt cagacttgct cttcctcgct ggtg

274

<210> 794  
<211> 161  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700951912H1

<400> 794

gtatatctat tatagtttac tactcaacta agatggactc gaagaggaag atagcattac 60  
ttatttcagg cttctggcc atgctcattt taatctctc agatgtggca gccagagaat 120  
tgaaagaggt cactggtgct ggcttgctg gtggtcgtg g 161

<210> 795  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700951916H1

<400> 795

agatcaagga gcagtttcat accgagacct tggacaatgt tcagaaactc actggcatca 60  
cccttgacat tgtgagtggg ttgtccaaca tcctcgagaa gttcggggtg aagttaatc 120  
ttaaacccgc gtctcgccgt cttctcgga aggatgggtt gccacttgg ttctctgctg 180  
ctgatcgtaa gcttttgggt cgtggatgga gatcacgtgt caagcccaat gttgtggtt 240  
cccaggatgg cactggtcag ttcaaac 268

<210> 796  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700951943H1

<400> 796

gttttctctc tccacactct gcctctaact tgaaaaaaa actcaaacac tctgttctcg 60  
tcgcatgcac ataaacaata acaaatggct tccacaacta tgttgttgct ggtcgtgttc 120  
atgattctat gtatcacaca cccctcattt caaatggttc ttgtgccttt aacacacaca 180

ctttccaaag cccaattcaa cagcaccac caccttctca aatccacttc caccggttcc 240  
gcaaaacgct tccgccgcca a 261

<210> 797  
<211> 263  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700951946H1  
  
<400> 797

gttcattctc tttgcgcagt tccctacctc tcttttcaag atgcagatct tcgtcaagac 60  
cctcaccgga aagaccatca cccttgaggt ggaaagctct gacaccatcg acaacgtcaa 120  
ggccaagatc caggacaagg aaggaattcc cccggatcag caacgtctca tcttcgccgg 180  
aaagcagctc gaggacggcc gtaccctcgc cgactacaac atccagaagg agtcaaccct 240  
tcaccttgct cttcgtctcc gtg 263

<210> 798  
<211> 263  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700951950H1  
  
<400> 798

ctgcatgttt gttctctcaa cgactcctcc gcgaaagagt attattcaat attttggttg 60  
ggttgaatcc cgggggttgaa gcgttgacaga catcacggct attctaagag tgtctcgctc 120  
cctcattcat gtccgatctg tacgacggag gacgggtagt tgcgtaactg ccgttaaccc 180  
ttcgccgcac ggtgggcgtg gtgctttgcc ttctgaaggt ggtagccctt cagacttgct 240  
cttcctcgct ggtggtggtt tct 263

<210> 799  
<211> 132  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700951971H1  
  
<400> 799

ccaaaaacaa gctgtgattg atgatttaaa aggttcctaaa gtgtaagggt aggcaacctg 60  
 ataaaggatg ataattgtct accatgtaaa cataacattt ttattatcaa taaagggtat 120  
 atctgtaatt ct 132

<210> 800  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700951976H1  
 <400> 800

ctttgtcagc tttttcttgc ttccgtagtt catatggcgt gtgttcaagt catcacagtt 60  
 tttctctttg cattggctct agctaaaatt taccctcaa catgtcaagt ggtgcaggga 120  
 aaagtctcct gcgttgactg cactcacaac tatgacttat ctgatattaa gggttcggtg 180  
 aggtgtgatg gtgtgaaaaa actggctttg gctactacag aaaatgatgg ctcttcaag 240  
 gttgatcttc ccctaga 257

<210> 801  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700951986H1  
 <400> 801

cctgatttca gtgataggta tgatagaaat ggcagtgggtg ggtctaacga agctggatca 60  
 cggaataatc agagttccaa agggggaagt tatgcttctc atgatgttcc aaatggaaca 120  
 catgttgctg gcaatgttga ttcttctgtc agagggtcatg gggcttcgga tgctggagct 180  
 ggactatctc ctgagtctta tcgacatcgg catgaaatat ctgtgactgg agacaatgta 240  
 cctccacccc ttgcac 257

<210> 802  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700951987H1

<400> 802

gctggtatta ttgctcaaga agttgccggt gatgtccgta tgactgatac ccggtgcagat 60  
gaagctgagc gtggtattac catcaagtct acaggtatct cactctacta tgaaatgact 120  
gatgaagctc tcaagagttt taagggagag cgcaatggga atgagtatct tatcaatctc 180  
attgactccc ctgggcacgt tgactttctca tctgaggtta ctgctgcact ccggtattact 240  
gatggagctc tagttg 256

<210> 803

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700951992H1

<400> 803

gtcattcccg aaggcatcag caagcatgca aaccggagca aatattttct tgctggtgga 60  
atagcaggag gtattttctcg tacagcaact gtcctcttg atcgtctgaa ggtggtctta 120  
caagttcaaa gcgaacgtgc ttctatcatg ccagcagtaa caaggatatg gaagcaagat 180  
ggtctgtagg gattttttctg aggtaatgga ttgaatgttg tgaaggtagc accagaaagt 240  
gccatcaaat tttatgc 257

<210> 804

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700951993H1

<400> 804

gtcttccctt agtccccgcg acatgccacc agacgacttg aacatgatgt ctgatcttga 60  
tgGCCagcag cagcatcctt tgaatgactt gagctgttac ttacagccgc ggCctggtgc 120  
tggttctgtg agtagatctg gtcgggtcaa gatcctaact ccatcaaate ttgaagatct 180  
cttttctgct gagatttctt catctccccg gtattctgat ccagcagcgg gttccgtgtt 240  
ttcccctacg cacaat 257

<210> 805

<211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952042H1

<400> 805

gtttttgaga gttgcatttg cactttgtag gatcatctcc tagcattgat cgattgagat 60  
 ggcagacgaa gctaacagaa ctgctttcct tgaaattcaa agtcgcatga tcgatactac 120  
 tggaaaaata aaacaggtgc aaaccagat gcgttcctaaa gaagcagaaa aaaagcgtgc 180  
 ttttctgacc atggaggagc tgaagcaagt tcctgatgat acgaatgttt acaaattccat 240  
 tggagaatgt tt 252

<210> 806  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952101H1

<400> 806

acacaccttg ttttcctttc tatagagaca cacagagaga gcaataaaca cccttcaatg 60  
 gctaccacta ccactaaagt ttacattggt tactattcta tgtacggaca tgttgagaag 120  
 ctagctgaag agattaaaaa aggagctgct tctggtgaag gagtagaagc aaagctatgg 180  
 caggtagctg aaacactgcc tcaagaggct cttgggaaaa tgggagcacc tccaaagagt 240  
 gatgtaccaa ttattacacc caatgagc 268

<210> 807  
 <211> 256  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952109H1

<400> 807

aaattcatga acgagaagta ctgtgttcgt actgcatata gtttggtgag gtttctgttc 60  
 ctcttctcatt cccttcctac actcttcatg cactatcttc attttgctaa gggatcgatc 120  
 ataaggagga agaaatacaa ggttttggga cctcttctct tggcttataa aaagtccaaa 180



acaggagcct tcttggtgtt ttagaaagga ggaggcttgg gggaaaaggg tggagaaaaa 240  
 agtgggttaa gggaca 256

<210> 808  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952113H1  
 <400> 808

gatcaagtca accggctctt agaacgctct gatagggtcaa aaggaatgaa aaagtatact 60  
 gccgtagaca aatggaacac acaacttaaa tctctttacc aaactatcag caacagagtt 120  
 ggttaaaccg tgggtgtctaa cgggagagtt atctgtttta ttgtccccgc tgcagttttg 180  
 ttatgtgaat taatgtatct attatggaga gttagggatg tgtattgcac caatagttaa 240  
 ccaaagcgag a 251

<210> 809  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952123H1  
 <400> 809

aaagtcaata aggattccag agctttatat tgagggttct gaaacttcaa ctggttggttc 60  
 actaaagagg actatcgtgg aggcagtgat ggctatactt ggagggtggtg cacatgttgg 120  
 tgttcttctt caggggaaaa aagttagaga tgacaataga acacttgtgc agactggtat 180  
 atcttgcaat gaaaatttgg ataccctgag ttcattgttg agcccacttc actacaagct 240  
 tctccaactg tttgt 255

<210> 810  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952125H1  
 <400> 810

cttcatcggt cgattcttct cctgctaaag atgcagatct tcgtgaaaac ttgaccggt 60  
aagaccatca cccttgaggt ggagtcctcc gacaccatcg ataacgtgaa agctaagatt 120  
caagacaagg aagggatccc acctgaccag cagagactta tctttgcggg taaacagctt 180  
gaggatgggc gaacccttgc cgactacaac atccaaaagg aatccactct ccacctcgtg 240  
cttcgcctca gg 252

<210> 811  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952137H1

<400> 811

cttcaatgga atttggaaca aagtagccat cgccccaacg atcccatttc ccttgacttc 60  
tctacgtgaa gatccttgtg tcgcatagag ctagttaaaa tgtctgaggg aaatgcaggg 120  
aaaggaaaga gaatcgccat cattggcgtc tcagccttat tgttggtggc tatggttgtg 180  
gcaatcacag ttgggggtcaa tctcaatgag aatgggtcca acaatgatac agaggacaac 240  
aagaaaaatc atgttgt 257

<210> 812  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952139H1

<400> 812

gtcgacggcg aatcgtggaa gttccagcgc aagatggcga gtctcgaact cggcagcgtg 60  
gcgattcgga cgtacgcgat ggaattagtc aacgaggaga tccacgcgcg actgatcccg 120  
atcatggaat caaccgcgcg tggcgaatta aactccgtct gcgttttgga ttgcaagat 180  
atactacgaa gattctcgtt cgacaacata tgcaaattct cgttcgggct cgacccgggt 240  
tgtctcctac cgaa 254

<210> 813  
<211> 249  
<212> DNA

<213> Glycine max

<223> Clone ID: 700952156H1

<400> 813

tttccctcta tcgtcttctc cctccttggt caatgggtctt agggtttccg gtgtccatgc 60  
gtagaagcta gcaataatgc gtttttgaaa cccgtattca tctgtatcca acgatttact 120  
agaaggagat cgcaatttct ccatcttctc gtttcggtgg ctctgtaa at cgaaagttat 180  
cgaaactttc gcgcgacacg aagtattggg aaccaagcaa aatttctatg gctgacgaac 240  
cactatatc 249

<210> 814

<211> 192

<212> DNA

<213> Glycine max

<223> Clone ID: 700952161H1

<400> 814

gttgtagaca aaaatagtcc aagagggacc cattttcgtc gtgctgggcc tgctcagaag 60  
gtatatatttg attcagagga agtacacgct tgtattgtca cgtgcggtgg actttgtcct 120  
gggtctaaata cagtgataag agaaatagta tgcggcttat atcatatgta tgggggtgcac 180  
aaagttttgg ga 192

<210> 815

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700952166H1

<400> 815

ccctcgcgcc gcatttttat ttttctcttt cattattttt ttaccatttt tttatggacc 60  
tcttcgccgg cgaccacttc cctgtccccg accacgtcgc tccgttcccc gattccggcg 120  
acctcgtctt cgccgccgac ctctctctcc accgccccaa cccccagaag ctccgcccta 180  
tcaggtcctg ccccgccgcc cccattgccc accctcctcc gcccctctc tcgcacgatc 240  
cgattccctc cgggtc 256

<210> 816  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952171H1

<400> 816

tcttcacctt taagttaa atgttttcat tgtttcattt aatctacaat ggctgcttca 60  
acaatggctc tctcttcac atcattggct ggccaagcta tcaagcttgc cccctccacc 120  
cctcagcttg gtgttgaag ggtagcatg aggaaaacag cctccaagac tgtttcttct 180  
ggaagcccat ggtacggccc agaccgtgtc aagtacttgg gccattctc tggtagagccc 240  
ccatccta 248

<210> 817  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952180H1

<400> 817

atctctcttc ccagttctca cctcaccgct gcatcttcac gtcgtctcta acgagggaaa 60  
atgagtcgag gaggtgcagc agcagcgaag ggaaagaaga aggggtgctac attcaccatt 120  
gactgtgcaa agccagtaga agacaagatc atggacattg cttctctcga gaagtttctt 180  
caagagagga tcaaggttgg tggcaaagct ggtgctcttg gtgactctgt taccgttaca 240  
cgtga 245

<210> 818  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952183H1

<400> 818

aaaaaaactc aaacaccttc aagaacttgt atctttcttt gttagtattt gttactacaa 60  
ttttacattc ttttcatctc tacatatttc attagtcatg gcacctcaag cagtttcctt 120

caagtccttc gccgttgctc ttattgtggc gcttttcttc tccgcctccg ctctggactt 180  
agtttcgggg cagtcgccgg tgccggcgcc ggcgccggca ccagatgccg gagcagctgg 240  
atccgtgtcg 250

<210> 819  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952191H1

<400> 819

atccattcat tgtcttaatg ttagcaatgt ctctctcttt ctccatccat ttcttctctc 60  
tcctctcaat agcccttttc tcagtttggt gcttagcagc atctcaagct cccaccacca 120  
aatcacaccc ctatatcctt cccattaaga aagaccccg c aacaaatttg tactacactt 180  
cagttggcat tggaactcct aggcacaact ttgatttagt cattgatctt tctggtgaa 239

<210> 820  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952193H1

<400> 820

caaccagtga gtggagtttt ggatcttctg tcaaaaacaa ccgaagggtgc taatgctatg 60  
agaatgaaaa ttgcatctgc tataacatct gatgaacaac ttctcaggag gagactgcct 120  
cgtgttatag gtggtgataa tctgctaaaa ctatacgatg agtacaaagc tcaaggacag 180  
gtcatactgc agttggcaga atcaggttca ttttttggtc aggttgatct gttcaagg 238

<210> 821  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952194H1

<400> 821

gggaaactag gagatatggt gttattgaat gtgatcctct ggtgcaaaat ggccttgaaa 60

agtctgcaag gcacatggtc atcccctata tgccaatggt ggtgccacct ataaactgga 120  
cagggtatga caaaggagca tacttgtttt tgccatcgta tgttatgaga gtacatggag 180  
caaagcagca acgtgaagca gttaagaggg ctcccaagag tcaacttgat cctgtttt 238

<210> 822  
<211> 259  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952201H1  
<400> 822

gagataacta gaaacagtgt gatgaaaatg aaggtccttg ttttcttcgt tgctacaatt 60  
ttggtagcat ggcaatgcc tgcgtacgat atgttccctc tccgaatgaa cactggctat 120  
ggtgcccgtg ctccggaggt gaaatgcgca agttggaggc ttgctgtgga agcacacaac 180  
atctttggct ttgagaccat tcttgaagag tgcgttgaag caacaaagga atacatccat 240  
ggcgaacaat atagatcag 259

<210> 823  
<211> 253  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952204H1  
<400> 823

agagaaacaa gacaagcaca acaagcattc tgaaattctc ttatttgtta gtatcaggac 60  
tagtaacaat taaccttgaa aataaagctt catctagttt tatcttccat aggtagaaaa 120  
gtgatcaaga gaatacacaa gtcaccaggt gggaatgtac catcatcacc aacaccaagg 180  
aaaaaacatt cattcttctt ccagaatgcc aatcccctct gagaggcaca tgttccttca 240  
aacaggaaat gga 253

<210> 824  
<211> 255  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952211H1

<400> 824

gaagggtcatt gttacaacca aacacaatga tgatgaacag tatgtttggg agtctcaagc 60  
tggagggttct ttcactgtca ccagggataa cactggtgag gttcttggca ggggtactaa 120  
gatcactctc tacctcaagg aagatcagct tgagtacctt gaggagcgct gcttgaagga 180  
tctgatcaag aagcattctg agttcattag ctacccaatt tctctttgga ttgagaaaac 240  
tactgagaag gagat 255

<210> 825

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700952212H1

<400> 825

catcatttcc actgccttga tgactattgg gattgcaatt gttagttgga ttgcactccc 60  
aacttccttc actatcttca attttggagt gcagaaagat gtcaagaatt ggcagctatt 120  
cttgtgtgtt gctgttggtc tttgggcagg gcttattatt ggatttgtaa ctgagtacta 180  
tactagcaat gcatatagtc cgggtgcaaga cggtgcagac tcttgcagga ctggtgctgc 240  
aactaatgtt atcttt 256

<210> 826

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700952216H1

<400> 826

actaaacata tacctcacct tatctcgtct ttgccttttc atgtttttgt ttatcggttt 60  
gattctaatt caatgatatc tcatcatgat tgccttagca ggtgacaaaa aaacagatga 120  
ggaggttgtg gttgtgaatg catcatcatg gattgatgac aggtttgatt ttgaccctga 180  
ggagtgcaat gttgcaaatt ggaaatgggt gtttaacat tcaataaagc ctctctactc 240  
agacataagc 250

<210> 827

<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952223H1

<400> 827

cactgttaaa atggctgtac agtacatgcg gagggttatt gagaagaagg caaagtttga 60  
tattatgaat ctgaactggt tgcaggttgc accgaagaca ttcattcctg ttttatttgg 120  
acatgcaagc gatgacaaat tcattcagcc tcaccattct gatctcatct ctgaagccta 180  
tgcaggtgac aaaaatgtca taaaatttga cggatgacac aactcgtctc gaccacaatt 240  
ctttta 246

<210> 828  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952230H1

<400> 828

ctagcctaataaataattggcc accatgaccg atgaacaacg agaaccacaa gcttccccga 60  
gcaatggcgt ccacaagtta gaaagaaaac aaatagctga aagagaaaga aaacaaatag 120  
ctggaaggga tagatcggtt tttagaggca ggcgtccacg acctgggttt tctgattcat 180  
tttcaagcac tgacttggaa gcttttagaga ttgaagaggg ctctcctagg agtcaagggt 240  
ctgaaacccc aagttcaagg g 261

<210> 829  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952234H1

<400> 829

cgtttcttgt ggggtctgct ttgaaccttg tgggatatgg ctgggtctgg cttgttgtca 60  
cttctcaagt ccctgtcttg cctctctggg ctatgtgtgc tcttatcttt gtgggaacaa 120  
atggtgaaac ctacttcaat acagtttctc tgggtgtcttg tgtacaaaat ttccccaaaa 180



gccgggggtcc tgtggtggga attctaaagg gctttgctgg gttgagtggg gcaatcttga 240  
ctcaga 246

<210> 830  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952241H1

<400> 830

ggaaaatgct ggagaagata ttactggtgc aaagaatgaa gtgaagtgtg acaaccaagc 60  
acctgaaaac aagagtgaga cagagaaatc cataccagta acgaagaaag atggcgaaaa 120  
tcctacacct gcaaaagctg aagttcctga caacgagttt gagaagcgca taagaccaga 180  
ggttatccct gcaaatgaga taggggttac atttgcagat attggtgcgt tggatgagat 240  
taaag 245

<210> 831  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952250H1

<400> 831

caaagtctct tattcctctt tgtattaatt ttttctctt ctcccttttc attttccggt 60  
ggcaattcaa atcgactct ttgcgtttgt gctgatccac tgtgaatgaa aaaaacaaaa 120  
ctaagagaga gaagagagaa aaattacaac aacattatta tttattgtaa ctaattagct 180  
aattaattgg ttattaaaaa ttataaggcc atgtttggcg aaaccgttcc gcgaccacag 240  
ttca 244

<210> 832  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952251H1

<400> 832

tgccactttc tgagtacaat acaacactgc catggctgcc tcagtctcca ctattggagc 60  
 tgtcaacaga gctccactga gcttgaacag ctctgaagct ggagattcgg ttcccagttc 120  
 agccttcttt ggcacaagct tgaagaaggt tactgcctca agggccccta acgtcaagat 180  
 ttcttctgga agtttcaaaa tcgttgccgc ggagaaagag attgatgagc aacaacagac 240  
 aa 242

<210> 833  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952271H1

<400> 833

gtggatgac aacccttga tttggacaag atggttttaa tggactggag ggattctcat 60  
 ttggggaatg aaccctactt gagagctagt aattcaaggt ttcctacttt cctctatgca 120  
 atgccattta gttccaattt gatatttctt gaggagactt cccttgtgag ccgccagtg 180  
 ttgtcttaca tggaagtga gaggaggatg gttgcaaggc taaggcactt aggca 235

<210> 834  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952282H1

<400> 834

caaggctaac tctacagtg tgcattggaag tgcactgggt gccaaagaag ttgatgccac 60  
 aaggcagaac cttggatggt cacatgagcc attccacgtg cctgaggatg tcaaaaagca 120  
 ttggagtcgc cacaccctg aggggtgctgc acttgaagct gaatggaatg ctaagtttgc 180  
 tgagtatgaa aagaaatata aggaggaagc tgcagaattg aaatctatta tcaatggt 238

<210> 835  
 <211> 234  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952285H1

<400> 835

caacttaaga gatcaatatg gccaccacca ctaccagcc tccctcta atctgtttt 60  
tccctctgtt gttgcttcta gcacactttc atttgggcat aagccaactt gagctgaatt 120  
actactctaa aagctgcca aaagctgaag agatcatcaa ggaacaagtc acacaactat 180  
ataacaagca tggaacact gccgtttcgt gggtcagaaa tctcttcac gatt 234

<210> 836

<211> 250

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700952294H1

<400> 836

ctgagcgtga gaaagagaag gggaagaaag agagagagt atgggaagg gaagagtga 60  
gttgaagaga nttgagaaca agatcaacag gcaagtgacc tttggcaaaa cgaaggaacg 120  
ggcttttgaa gaaagcttat gagctttccg ttcttttgta tgccgaggtt gctctcatca 180  
tcttctccaa tagagganaa gcagtacgag ttttgacgag gttcaagcat gctcaaacg 240  
ctggagaggt 250

<210> 837

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700952295H1

<400> 837

caccacgaac ccgaacgagc gacacgggtcc ttagttggag tcttgaacca caaccagag 60  
ttgaagtgt gagtggcaag ggggtgttga ggctgttttc atcttcactt cttcattca 120  
gaggtttgca accattggag ccaatgtctc ctgcttctc ccctttgcaa gtgccatcat 180  
caactactcc ttttgctggt cttgtcatct gcgttactgg tttatctaaa gaagcaagga 240  
atcaggtcat ggagg 255

<210> 838

<211> 280

<212> DNA  
<213> Glycine max

<223> Clone ID: 700952301H1

<400> 838

atcggaaagaa gaagacagtg aaagaggtgg aagcagaaca ttggacaaga aaaccaacaa 60  
aatattcggc tttgcggtag cccatgatga cagtgaccac ccacccgtga cccatcagtt 120  
ttttcctgtt gaggactccg aactgcctgt ctccgccgcc gccgcaggca gtggaggcgg 180  
tgggcgcgga agctccttcc cacgtgctca ctgggtaggt gtcaaatttt gtcaatcgga 240  
aacacccggc gccggaaaag cagtgaaagt gtcggagccg 280

<210> 839  
<211> 277  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952303H1

<400> 839

caggaaatta aagaagcagt tgagcttccc ctgacacatc ctgaactgta tgaagacatt 60  
ggatatcaagc ctctaaggg agttatttta tatggggaac caggaactgg gaagacattg 120  
cttgcaaagg ctgtggcaaa ctcaacatca gcaacctttt tgcgtgttgt tggtagtgaa 180  
ttaatacaaa aatacttggg agatgggtcca aagcttgtaa gggaactttt ccgagttgct 240  
gatgatcttt ccccatctat tgtcttcatt atgagat 277

<210> 840  
<211> 278  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952318H1

<400> 840

ctgcaacagt agggtagatg gcatccccag ctagacaaag agaagatgac atgagaaaac 60  
caccttcagg gttccctgat tgttccatca agctgcatgc acatgaagtt cggttccttg 120  
ctgcagcaag gaaactagag tttggcaatg gtgttctttt ctatgatcgt atctcagttg 180  
gtgcagattt gtctgatgct attggattca aaggttgtag agaaattgaa gggccttatg 240

tggactatct agagacacaa tttggttaagc ccgttttg

278

<210> 841

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700952326H1

<400> 841

agaatcttgg ttactggagg agctggattc attgggtctc acttagttga cagattgatg 60

gaaaatgaaa aaaatgaggt cattgttgct gacaactact tcactggatc caaggataac 120

ctcaaaaagt ggatttgtca tccaagattt gagcttatcc gtcatgatgt cacggagcct 180

ttattgatcg aggttgatca gatctaccat cttgcatgcc ctgcctctcc tattttctac 240

aaatacaatc cagtaaagac aataaagaca 270

<210> 842

<211> 272

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700952338H1

<400> 842

tttattttctc tcttctctct gcacgcttc aggttcttct gaaaagatgt ctgcggtgta 60

tggttggtaac ttggattcac gagtcaccga gagagatctc gaagacgnat tccgtgtttt 120

eggagttatt cggagtgttt gggttgcacg tagaccacct ggtnatgctt ttattgactt 180

tgatgaccgc agagatgcac aggatgctat ccgtgaattg gatgggtttt cctcaactag 240

ctagttaagt cttctttttg gcctatgggg ca 272

<210> 843

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700952349H1

<400> 843

acacaaagta atggacaaaa aaccatgcaa ctcatcatct catgacctg aagtgagaaa 60  
 gggaccatgg accatggaag aagacttgat cttgataaac tatattgcaa atcacggtga 120  
 aggtgttttg aactccttag ccaaagcttc tggctcctaa cgaacgggaa agagttgtcg 180  
 actccgttgg ctaaactacc ttctgctga tggtagaaga ggaaacatta cacccgagga 240  
 acagcttttg atcatagaac ttcattgcaaa gtggggg 276

<210> 844  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952351H1

<400> 844  
 gttactatct ataattaatt aaattcctcg tgggaatattg aagaagccat gtctacagct 60  
 gggcaggtca tcaagtgcag agctgcggtg gcatgggaag cagggaagcc actgtcaata 120  
 gaaaccatag aagtggcacc accccagaaa ggtgaagtgc gtttgaggat cctcttcaac 180  
 tccctttgcc gtagtgatgt ttattggtgg gatgctaagg accagactcc tctgtttcct 240  
 cgtatcttag gccacgaagc ttcagggatt gtgg 274

<210> 845  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952353H1

<400> 845  
 aatttgacaa aaaagtagcc actgccccaa cgatcccatt tcccttgact tctctacgtg 60  
 aagctccttg ttttgcatag gagctagttg aaatgtccga gggaaatgca gggaaaggaa 120  
 agaaaatcgc catcattggt gtctcaacct tattgttggg ggctatgggt gtggcggtca 180  
 caattggggg caatctcaat gagaatgggt ccaacaatga tatagaggac aacaagaaag 240  
 atcatgttgc ttcttccata aaagccgtcc aaa 273

<210> 846  
 <211> 269  
 <212> DNA

<213> Glycine max  
 <223> Clone ID: 700952358H1  
 <400> 846

cttcaagatt caggtactgc gtttcggaag cagacacaga tggctcgtac gaagcaaacc 60  
 gctcgttaagt ccacaggagg aaaggctcct aggaagcagc ttgcaaccaa ggctgcacgt 120  
 aagtctgcac caactactgg tgggtgtgaag aagccccacc gttatcgtcc tggtagcgtt 180  
 gctcttcgtg agattaggaa ataccagaag agtaccgagc ttttgatccg gaagctcccc 240  
 ttccagaggc tggttcgtga aattgctca 269

<210> 847  
 <211> 270  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952362H1  
 <400> 847

aaagatggta tcagagaggc cagtgggtgat attcagcaag agctcgtgct gcatgagcca 60  
 caccataaag accctcttgt gtgactttgg ggtgaatcca gcggttcattg agctggatga 120  
 gatcccaaga ggcagagaca ttgagcaagc tctttcaagg cttggttggt ctccatctgt 180  
 tcctgctgtc ttcatttctg gtgagcttgt tggtaggagcc aatgaagtca tgagccttca 240  
 ccttaatcgc tccttaattc caatgcttaa 270

<210> 848  
 <211> 273  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952364H1  
 <400> 848

gtatttactt ccacaggcat ggaaactgaa gaacctcctg cacctgctga gaagaaagag 60  
 gcgcaaaaaa gacgggggtgc tgctaaaaag aagtcaagtg ccatagtgtt ggacgactca 120  
 gatagtata atgaaattca tgatgttgag gacgacgatg acaactttga aatcatgcag 180  
 ccggttgccc tagaagcagg gaaaaagaaa ggaggagaaa agcctgctgc tcaaaatgcc 240

aagaaggcac ctgctgctgc ttctaccaa aag

273

<210> 849

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700952371H1

<400> 849

ataattgttg cttgtcaaaa caacaaattg aatgagaaag ttgatgatct tgttcaggta 60

tatgaaacag tggagaaaat gttattggat cctgaagaag ctctaaagat gattaggcag 120

acagaggaat caacaatggt taccggtgaa ccaaggagcc cgtttaggac gcttagcctt 180

atctttggag gcaaagataa attattgagg aagtctgtct caaaagatca gacaaacgac 240

gaagagaagt caggtcggca gtcattctct 270

<210> 850

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700952372H1

<400> 850

aacggctttg cctgcaagat tttgcacgaa ttgatggatg gtttttgcca aattcaagtt 60

ccaaattatc accattttcc caaagtgagt ttggaagaac agaatctggg gccataatat 120

tcactgacat taacatgata agtggatggt aacagaccag ttttctattt cagcaagctt 180

ctaaggtcag cttccaagca ggtcaaaatc cttacaacgt aacaagtctt tttctcgccg 240

tgaaggaact cgaaaagtgt ttgtcatttt 270

<210> 851

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700952373H1

<400> 851

cttcttgaaa cctctcttga gagagggaca cctctgcaag aagtcaatga tcttattttt 60



gaagccattg gctgtggtga attggaggat gtcaacgttg aaagtgtcaa agaagttgat 120  
gcagtcagca caagcgaaca ccctactgtg gtggtagctg gttcacaaga atgtgtgatt 180  
ctacactaac aaggctctaa aattatgaac aaattcagca aatccgtagt gctttaagaa 240  
taattgctga attgtgtcac cgtttaag 268

<210> 852  
<211> 267  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700952378H1  
  
<400> 852

ctcgctttcg attcgacgcc tgaacaagtg aacatggacc ctaatcacct cttcttcacg 60  
catttccgcg atggtgctat tgcctcacgc attgagggcc aacacagagg agctcttcct 120  
tctgttattg tgattggtgc tggaatatct ggacttgacg cagcacgaag tctctatgat 180  
gcatctttta aggtgactgt actggagtca cgagataggc ttggtggtcg cattcatact 240  
gacttctcat ttggctgtcc agttgac 267

<210> 853  
<211> 270  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700952380H1  
  
<400> 853

gccaaagtga agagagaaga aaagtcaaag acaatgtcag ggatcattca caagattgag 60  
gagacccttc atgtgggagg ccacaagaag gaggaggagc acaagggtga gcagcaccat 120  
ggtggagaat acaaagggga gcatcatggt gaacacagta ctgaatacaa aggagagcat 180  
catgttggtg agcacaagcc ggagcaccat ggaggagaag agcacaaga ggggttccta 240  
gacaagatca aggacaagat ccacggcgag 270

<210> 854  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952383H1

<400> 854

gggaaaactc gagccaagca gtattacgca aatgacgtgg atagaacgaa gaacatgggt 60  
gtgttgattc atggagatgg aagttttgct ggacaggggtg tggcttatga aaccctgcat 120  
ttaagtgtc ttccaaatta cactactgggt gggacgattc acatcgtgtt taacaatcag 180  
gttgcattta caactgatcc gacttctggc aggtcttcac aatattgcac tgatgttgcc 240  
aaggctttgg atgctcccat ctttcacgtg a 271

<210> 855

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700952384H1

<400> 855

cttactggaa gccttggtgt gagtaagaga aaaggcttcc tgcaccgagc acaccaactt 60  
gatacctctg attctttctt tgcttagaat tccacagaat atggagactg ttcttttcaa 120  
tcaactcccca cctttggaat tcaaggggtt gagcaaggag gaggaagact cattgctagg 180  
gcaagtggaa atatggaggt acatgacatg cttcacggac tccgtggcct tgaaagctgt 240  
catagagctt cgtatagcgg acatactaga c 271

<210> 856

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700952392H1

<400> 856

gcagctgata catagataga taaggatagg gatagggtta aggccatgga gcgcatcatc 60  
ggcgccaagt acaagctagg tcgcaagatc ggaagcggat ccttcggcga aatctacctc 120  
gccactcata ttgatacctt cgagatcgtc gccgtcaaga ttgaaaacgg taaaacgaag 180  
catccgcaat tgctttatga ggccaagctc tacaatatc ttcaaggagg aagtggaatc 240  
ccgagcataa aatggtgtgg tgtaga 266

<210> 857  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700952403H1

<400> 857

ctcaccagtc accacctctg aactctctct ctcactata agtcaacatg gctcatcatg 60  
 aagattcaag tgcattggaat tcgagtaaac ctcaccctaa gctcaatgaa agaattctgt 120  
 cttctctgtc acggagaact gttgctgctc acccctggca cganttagng attgggccag 180  
 gagctccagc agttttcaac tgtgtggttg aaattggcaa aggaagtaag gttaagtatg 240  
 agctggacaa gacaagtgga cttat 265

<210> 858  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952406H1

<400> 858

cagaaacaaa cgaaaccag tagacatggc gaaatcggcg tcgaattctc tgatgcagag 60  
 cctgaagcgg ttcataaaga agccatggga gatcacgggc ccgtgcgcgg accctgagta 120  
 caaatccgca ttgcccttgg ccgtggagta ccgcctcagc tgccccgcca ccgtcaagga 180  
 gaagcccatc atcccact ccctcccgga gaccgtctac gacatcaagt acttcacccg 240  
 cgaccagcgc cgcaaccgcc ct 262

<210> 859  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952408H1

<400> 859

gaagagttaa aaatttgaat tggagataga agagctatag tcacaaagga ttggaatata 60  
 tcttgggttg gcaatttgta cttatcagtt gtaatgtcct cccctgaata accgacataa 120

ggttatgggtt cttgctcaaa ggcattcct tcatttttgc ccagttatgt ttatcagaat 180  
 ttttgttgta attttatcat atcatgtgaa atgatgctta caagagaatc tgttcaaaga 240  
 aatatgatgt taatgttatc 260

<210> 860  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952450H1

<400> 860

cagcactagt gttctctctg ttatctcatc tctctaacc acactacacc accgcgcggt 60  
 cgtttgagtg ttgacgggtg acatccctgt taaatttctc tcgcggactc gccgtcactg 120  
 tctcacggag gctactggag ctgtttggaa cagcgtccaa tggcgtccct ttctcaatct 180  
 caccgtatcg cactcccttt ctaaacgcac gcggcgagtg atgatggcga gactcgctcc 240  
 ccctttcagt atcttcacac a 261

<210> 861  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952459H1

<400> 861

agcatacaac gatggctatg aatggatcac ctgcacgggtg ggacgtgaga ttagttttga 60  
 cattttctct acttttaatc tcagcctctg tttctgctct tgaacatgta aaccacaaaa 120  
 agattgatcc caccaccgct gaaactagtt ttcttggcaa agtcatgaac tttttgtgga 180  
 gctcatctgg gtctggatac gaacatactt ggccagaaat agaatttggg tggagaataa 240  
 taacgggtac gataa 255

<210> 862  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700952476H1

<400> 862

gtccttgctg tantcatgag gaaantgagg aaaggggcat anncggttca agaagatcag 60  
acactcattg cttacattca gaaacatggc acaggaagct ggcgtacctt gnccacaaaa 120  
agcaggctctt caaagatgtg gnaganttnc nnggctgaga tggtttaact accttagacc 180  
tgacattaag agaggaaaat taagccaaga agaagagcag acaattataa aacttc 236

<210> 863

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700952479H1

<400> 863

ctctaaaccc taaacaactc tttctcttct tccttcgctc gttgttctcc ctgcgctaga 60  
tcgacaatgg cggagacaga gacgtttgct ttccaggctg agatcaacca gctcctcagt 120  
ctcatcatca acaccttcta ctccaacaag gagattttcc ttcgtgaact catcagcaac 180  
gcctccgatg ctttggacaa gattcgattt gagagtttga cagataagag caagctcgat 240  
gctcagccag agttgt 256

<210> 864

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700952488H1

<400> 864

gccaagtga agagagaaga aaagtcaaag acaatgtcag ggatcattca caagattgag 60  
gagacccttc atgtgggagg ccacaagaag gaggaggagc acaaggggtga gcagcaccat 120  
gggtggagaat acaaagggga gcatcatggt gaacacagta ctgaatacaa aggagagcat 180  
catgttggtg agcacaagcc ggagcaccat ggaggagaag agcacaaga ggggttccta 240  
gacaagatca agga 254

<210> 865

<211> 125  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952492H1  
  
 <400> 865  
  
 gtgagctcaa aagaatttta tgggtgagga tatgatgata gtgacaagag aatccctgac 60  
 atgaccataa taaacaggca gcttggatgg aatcccaaga cttcactttg ggacctgctt 120  
 gagtc 125

<210> 866  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952496H1  
  
 <400> 866  
  
 cttcttatag cttcatccca aaaagctctt ttcttctaa atttgattcc ttagttcagc 60  
 attctattat tatatatggc ttcttcacct tcctcagaaa acaaaaacct agaggaggta 120  
 gctggtggtg cgggagagaa acccattcca cttggtgaga acgttctgca gaagcatgct 180  
 gcattctttg acttgaataa agatggtgtc atctacccat gggagacttt taaagggttg 240  
 cgtgaaatcg ggac 254

<210> 867  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952502H1  
  
 <400> 867  
  
 ctctgactta cegtgaagtc atcgctattc tgatgcagag acatgttctt gttgatggaa 60  
 aagtcaggac tgacaagact taccctgctg gtttcattga tggtgtttca atccccaaaa 120  
 ccaatgagaa cttccgctg ctctatgaca ctaaaggccg attccgtctc cattctgtca 180  
 gggatgatga ggcaaagttc aagctctgca aggttaggtc agtgcagttt ggccagaaag 240  
 gtatcccata cctgaacacc tatga 265

<210> 868  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952504H1  
  
 <400> 868  
  
 ggtgggacta tggtcaggtg aataataagt tggtcaaaga catgaaccgt tttcttgcgt 60  
 actataaagg gctaacaact tgggctaagt gggttcagag aaacgtcaat ccagcaaaaa 120  
 ccaaggtctt cttcttagga atttctcctg tgcattacca ggggaaagat tggaatcgac 180  
 caacaaagtc atgtatgggc gagacacaac cattctttgg actgaagtac cctgcaggga 240  
 caccaatggc ttggagggt 259

<210> 869  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952507H1  
  
 <400> 869  
  
 gttcgtagaa ttgggtaaca ttttagaccc tgataggccc aaaaatgaca aagcaaccat 60  
 tctgtgtgat acaattcaat tgctgaagga cctaatttct caagttagta aactcaaaga 120  
 tgaatatgct atgctaaatg aagaatctcg tgagttgact ctagagaaaa ctgatctcag 180  
 ggaagagaag gcttctctta aatcagatat tgacaacttg aataatcagt atcagcagca 240  
 gctcaggacc atgttt 256

<210> 870  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952508H1  
  
 <400> 870  
  
 gggccgatta ccatggcaag gttaccaggg tgatagcaaa tccttccttg tttgcaaaaa 60  
 gaagatgggg acatctcctg agacgctatg ctgcttgtgt cctcctcctt ttaggcattt 120

tcttgagatt gtagtgaata tgaaatttga tgaagaacct aattattcca agctaataatc 180  
 tttgtttgat ggtacgattg gacccaatcc agcattgcgg ccaattaata ctgaagggtgc 240  
 ccaaaagggtt gggca 255

<210> 871  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952511H1  
 <400> 871

aaaaggaaga aaaacaaaat caaagaacac aaacaaagaa gagagcaaaa tgaagagtgc 60  
 gatttgtggg agaatcctct ctcccaacca cgtcttcaaa ccaggggaca cacattcaat 120  
 ttgtaaagga ccatactcca atctttgtgt acccatgggt gtattggcaa cagggcctgg 180  
 tataggaggt ggggtgctgg aaaagccagt tattgaaaaa gtcaccctg gccgtgagtc 240  
 tgaatttgat ttaa 254

<210> 872  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952525H1  
 <400> 872

ggaaaaatgg agttgttctt ctacgcggtg ttcggcggtt tgggagcgggt tgttgcagtg 60  
 acggagctga gcaagagcaa caaggaccga atcaacacct cttccgcatt caattccttc 120  
 aagaacaact acctcatcgt ctattccctc atgatggctg gagattggct acaagggtcca 180  
 tatgtctact acctttacag tacatatgga tatgggaagg gagacatagg acaactcttc 240  
 attgctggtt t 251

<210> 873  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952550H1



<400> 873

ggagaagaaa agcataacaa gcagagcaca ttgttttagtg ctagcatttc cagggtcaagg 60  
ccatatcaat cccatgcttc aattctccaa gctattggag cgtcaagggg tgagaataac 120  
acttgttact actcgtttct attccaagaa ttgcaaaac gtgcctcctt ccattgctct 180  
tgaaaccatt tctgatgggt ttgatgaagt tgggccccaa gaggttgga gccccaaggc 240  
ctatatagat cgcttgtgcc a 261

<210> 874

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700952552H1

<400> 874

atcggccagc accaacagca tcggcggcga cagtactct ccgacaacaa cacttccgcg 60  
gcgaaaaatg tctctggtgg cgaacgagga tttccagcac attctgctg tgctgaacac 120  
caacgtggat gggaagcaga agataatgtt cgctatgacc tccatcaagg gtattggaag 180  
gagattcgcc aacatcgctt gcaagaaggc cgatgttgac atgaacaaaa gggctggtga 240  
gttgagtgtc gcagag 256

<210> 875

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700952554H1

<400> 875

cacgttccga gttttctgat cgctcataga gagttcgacg cggcggttgc agaagaagat 60  
tgcaagatga agttcaacat cgcgagtccc accactggat gccagaagaa gctcgagatc 120  
gacgacgac agaaactacg agcatttttg gacaagagga tctcacagga ggtcagcgga 180  
gatgcacttg gtgaggaatt taagggctat gtcttcaaaa ttactggagg ttgtgacaaa 240  
caaggattcc cgatg 255

<210> 876

<211> 253  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952562H1  
  
 <400> 876  
  
 ttctaaacaa tagtatcttt tcgcttcaaa tttcatttag atccaaaatt tctgaatcag 60  
 tgaagaatct tagattctgt gggaaaagct tctcaatctt tgacgaagat aaacaacaat 120  
 gtcttcactt ggggctgcta gagcagacaa cttttactat cccccagaat gggaaccgaa 180  
 tcagggttcg ctgaacaagt ttcattgtca acatgccttg cgagagaggg cgagaaaatt 240  
 agatcagggt atc 253

<210> 877  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952563H1  
  
 <400> 877  
  
 cacaaaacat ctcatcattc acccaacaaa atggcgctgc ttctgataat tcccatctca 60  
 ctggtcaccc tctggctcgg ttacacccta taccagcgat taagattcaa gtcacctccg 120  
 ggtccaaggc cctggccggt agtcggtaac ctctacgaca taaaaccggt ccgcttccgg 180  
 tgcttcgggg agtgggcgca gtcttacggc cccataatat cggtttggtt cggttcgacc 240  
 ctaaacgtca tcggt 255

<210> 878  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952568H1  
  
 <400> 878  
  
 gtggtggagg aggaatacac gaagcatagg caatgaaatg aggcgttttg actgaccttc 60  
 ttggatctga tcgaatccaa acccaaacc taatctaata ccaaaaagct tattagtctc 120  
 tctcgatcaa tcgaaccagc gagcaagatt gtctctctcc taggccatgc gaccaccctg 180

ttctctcgcc atcgccctct ccagagaggt ttcttttttc gttttcgccg atttctccat 240  
cgattccgcc agccat 256

<210> 879  
<211> 253  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952569H1  
<400> 879

ataacggcca ttattcttct tccgaccatc cccaagaatg cttttctcac ccttctcac 60  
tctcactttc ttctctctct tctcttcttc cgttgctgcg atttactcag cggcaacatg 120  
ttctaacata gtgccgctga gataccgcag cgacagaatc tccataacgg acttcgggtgg 180  
tgtcggcgac ggccgcacgc tgaacacgaa agcgttcaga gcggccgtgt accgcattca 240  
gcacctgaga agg 253

<210> 880  
<211> 253  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952570H1  
<400> 880

acaagataag aaaaaagaaa aaatgtttgc agggaaaggg gctgtttggt tctccagagc 60  
ggtggcgcttg gcagcaatcg cggtggtagc ttgcgttggg cttacacagg cccaaccgga 120  
ggccagggttc aagtgcaca gcgcgaacat cccacgtgt cgcgcgctca taagctactc 180  
tcaccggaac accaccaccc tcggcgacat ccaaaagctc ttcaacgtga aacacatcct 240  
cgacatcgtg gga 253

<210> 881  
<211> 254  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952571H1  
<400> 881

ccttggcttt ggaagaaact cagcagttag ttgaagcaca gattcaacca gaagatttgg 60  
 ctgctcctgt gtccacaggg ggtacttcaa atcatgttga aaacgggaaa gtagaggtag 120  
 aggcacgcgt ggaggataaa attgtgaaac cagaagcgga ttcagagtgc attccactac 180  
 aagatgtcct aaatagtata aatactcttc actcagtcct cgtaatggac gatgctcaag 240  
 ttttaaataa cgca 254

<210> 882  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952579H1

<400> 882

gaacatacca atctacaata aacgatgatt ctcattatct ccctcatttt ttctcttctc 60  
 tctttctccc atgcttctgt cctagatttc tgtgttgagc attatgcagg tcctattgga 120  
 cctgcaggat attcctgcaa gaagccttca aaggctcacag cagatgattt tgcttacagt 180  
 ggccttggca ttgctggtta cacctcaaac attatcaaag ctgcagtgac ccctgcattt 240  
 gatgctcagt ttgc 254

<210> 883  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952587H1

<400> 883

atggccactc ttcttcttcc cagctcctc cttctcatc ccttcgccac cctcgtctcc 60  
 gccgcctc accctgccgg agactttctc cgactgccct ccgaaaccga taacgatgac 120  
 aacgtccagg gcacccgctg ggccgtcctc ctgcgccgtt ccaatggcta ctggaattac 180  
 agacatcagg ctgatgtttg tcacgcctat caaatactaa ggaaagggtg cctgaaagaa 240  
 gaaaatatta ttg 253

<210> 884  
 <211> 258  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700952613H1

<400> 884

acattctaaa ncaaaggacc cagttttaca tttntntttg ttcttgagtt ccaatggctc 60  
ttcaggctgc ttcentgggt tctgcttctt tttctattgc taaagagggg aagtctgggt 120  
tatctctcag ggacaccana atgtttgggt tttcattgtc ggatactctc aaatctgact 180  
tcagctctcc ctcatcgact tgnaaaaggg nattccanca aaaatttggc cctttgaggg 240  
ttcagtcagt ggcaaaac 258

<210> 885

<211> 262

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700952665H1

<400> 885

cccgttttct ctctctgttt ntccanggcc atctgatcaa actnttcttg attctctctc 60  
tcagtttttg ctattctgag tgatgggtat gccctgccgc tgttcccaca cctcccacat 120  
cactgaaatc atcatcacca gcntcttccg ccacaagtct taaattacaa caattncctt 180  
canttatnca tcaaccaacc accttaanag ccttttchna tggttcctta aagatccaac 240  
ttggtcggag tnaacatggc gg 262

<210> 886

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700952677H1

<400> 886

ctttctctct gtctctctct cgctcttctt ctcatccagc accgagtcac agactcaccg 60  
atcttccgat tccctttcgt cttggtttat gagctcgaag gagagacca ctcttggtgg 120  
cacgcggtt aagacccgca aacggaatat tgctgcgccg ctggaccctg cagcattctc 180



ggTTTTtaga tggatgcaaa aacaacgatg gtatattgct gataatggga tttactcaaa 60  
 actcatatca gttatgggga aaaaagggca aaccagaatg gctatgtggc ttttctcaga 120  
 gatgcgtaat actggttgtc gtcctgatac ttctgtctac aatgcgctaa ttacagctca 180  
 ccttcattcg cgggacaaaa caaaggcttt ggctaaagcc attggctact ttcagaagat 240  
 gaaaggaatg gagcgggtgta agcccaacat tg 272

<210> 890  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952736H1

<400> 890

tcaagatcga attggttggtg cccatttctt cagtcctgca catgttatgc cgcttctgga 60  
 aattgtacgt accaagcaga cctctgcccc agtgatagtt gacgtgttag atatttcaaa 120  
 gaagataaag aaaactccag tgggtggttg aaactgcaca ggatttgctg ttaataggat 180  
 gttcttccca tatacccaag caggtctctt gcttggtgaa cgtgggtgcag atgtttatca 240  
 aattgataga gtaataacca aatttgggaat gcc 273

<210> 891  
 <211> 274  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700952739H1

<400> 891

actaaactaa actagcgaag agaaatgtcc gaaaacggag aagaganatt actcgcngtg 60  
 gcgcggcaca tagcgaaaac gctgggccac aacaacacca tgtctgatga catattccaa 120  
 atactatcga acttcgacgg aagattctcg agagagaatc tttctgagaa aggcgcat 180  
 gcggatccca gaggtgcgc cgactggat cattccctca aaaccctaga ccgccggatc 240  
 tctctctacg tctctacga ccgccctatc tggt 274

<210> 892  
 <211> 272

<212> DNA  
<213> Glycine max

<223> Clone ID: 700952742H1

<400> 892

ggggcctgta agcaaagttg attataaagc ggctgaggaa acaatagcaa cgctagaggc 60  
tctgaaaatt gcccttgctc agattagaat ctgttccaga ctggaagcct tattgctgaa 120  
gaaaaaaaaat ttaagcaatg gagactctcc cgaaattcat gctcaaaagg ttgataagct 180  
gaaggtatta acggagtctc ttgccaaactc tgctacaaaa gctgaaaagc gtattttaga 240  
taacagacta caaaaagagg aagcattaag gg 272

<210> 893  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952745H1

<400> 893

cccatttctg gacaaagaca catctttgaa tttcattgga ttcaattcat ttgggtatca 60  
atcaagattg aattgttggt gtcgtcgtct tggggatggg atcgtgcctg tagatgacgg 120  
gggcacgggt gtgacgttgc tgaagcaggg acaggacctt gttattgtga atgtagatga 180  
ctccagagct gtattagctg cccaagatcg tagcaatggt tctcttattg ctgtccagtt 240  
gagcactgac cacaagccac atcttccaag 270

<210> 894  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952758H1

<400> 894

tctttaccaa ctgctactct tgacggaccc ataccacctg taggagcctt gagtagcgct 60  
ctcagtagat tacaatcaaa taggcctctt agagaattga gagagggtgc caagggagtt 120  
actaaacgaa ttggaggtcc tatgcatgaa ttggctgcaa aagttgacga gtatgctcgt 180  
ggcatgatca gtggttctgg atcatcactt tttgaagagc ttggactcta ctatattggt 240



cctgttgatg gtcataacat aaatgatct

269

<210> 895

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 700952761H1

<400> 895

ctttctctct ctcattctct tctccatcgc gcgtaagaaa cacatttttag ttgctactaa 60

tgggaactgt tgaagctgca aacaaggatg caaatggaag tctcctagag aaaaatcctt 120

cagttgtttt tgtgttaggt ggcccaggaa gtggaaaggg tacccaatgt gcaaatattg 180

tccaaaattt tgggtatact catctcagcg ctggtgatct tctgcgagca gaaatcaa 240

ctggttctga aaatggtaca atgattca 268

<210> 896

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700952781H1

<400> 896

cagctacact caacaccgtg tttagatgga agcctaagtt ttgcggcaac tttggaaaat 60

acttcaaaag tgcgttcaag tctcacaaaa cggtgcattg gaacacgtgt caatggatta 120

aaacggtaaa acgaacacac ccttgttact tggacgtgga aattcacgtt cgcgctcctt 180

tttatcttgg cattgcgttt gtgtgtgtgt gcaatatcac acaaccaac cttattcgtt 240

cttctgttgt tctgaggcga gccatga 267

<210> 897

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700952783H1

<400> 897

tccatttgcc gcctctggaa ctccgaacgt tgaacatgga cgctgccaaa gaagaatttc 60

tcagagactt tggatgaacac tacggctacc ctaacggccc caagtccgtt gatcaaattc 120  
gagctactga attcaagaga ttacaattac aagatcttgt atacttggat catgctgggg 180  
caactctata ctctgacctg caaatggaat ctgttttcaa tgatctcact actaacctat 240  
acgcaaatcc tcacagccaa agtgact 267

<210> 898  
<211> 266  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952789H1  
<400> 898

ccaagatgta aacaacctgg atcaagttcg tgctttggag aatgagatgc tccatcgcat 60  
taagcaacaa ggattggaca ttgttctctg tattctcatt atcaccgctc ttctccccga 120  
tgcagtagga actacttgtg gccaacgtct tgagaagggtg ttcggaactg agcactccca 180  
cattcttcga gttcccttta gaactgagaa gggaattgtt cgcaagtgga tctcaagatt 240  
cgaagtctgg ccctacttgg aaactt 266

<210> 899  
<211> 258  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952801H1  
<400> 899

gggagaaggg aaggtgagta gtaatggtca tggatgttgc aaatcagggc caggctatgc 60  
ttcccactg gaagccattt ctgggtcccag agagtctctc atttatgtaa cctctgtcta 120  
cacagggacc ggaatagaga agccagacta tttggcgaca gtggatgtgg atccaaactc 180  
tccaaactat tccaaagtca tccataggct tctgttctt tatttaggtg acgaattgca 240  
tcacacaggc tggaattc 258

<210> 900  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952805H1

<400> 900

ggcaattggg tacaccatag cagcttccat aagcatgatg gcagtcaaaa ggtctaattg 60  
ttatcatagt agcggaggga aaaatccatg caaaatgaat agcaattggt acatgatttc 120  
atatggtggt gcggaaatta tcttctcca aattccagat ttccatgagt tgtggtggct 180  
ctctattgta gctgctgtca tgccttcac atactcattc attggacttg gccttggtat 240  
tggtaaagtt atagga 256

<210> 901

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700952806H1

<400> 901

gcgtcgctgc tccgtaccag tttcactgca taaatttgag agaaaactct gcaaacatgt 60  
tggtttatca ggacctcctt acaggtgatg agcttctctc ggactccttc cgttacaatg 120  
aaattgagaa tggaatgctg tgggaagttg aggggaagtg gggttgtaag ggagcagttg 180  
atgttgacat tggtgcaaac ctttctgctg aggggtggaga agatgagggg gtcgatgacg 240  
cagctgttaa gggtgt 256

<210> 902

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700952808H1

<400> 902

gtttattcgt tgggtccgct gggcttcttg ggcttggtgg tgggcctttg tcattaactt 60  
cacaaatcaa agcgacgtcg ttttcgtact gtttagtgga tcgcgactcg ggaaaatcgt 120  
ccacgctcga gttcaactca cctcgaccg gtgactcggc cgttgaccg ttgttgaaga 180  
atcagaaggt gaacactttc tactacgtgg agctcaccg agttagcgtc ggcggggaaa 240  
tcgtgaccgt tccgc 255

<210> 903  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952809H1

<400> 903

ccagacagca gcagcaacaa caaacaact ctttctggat tcagtttttg atgtgaaaat 60  
ggcagtgact cttacatcaa cactctttct ggctttgcta tttgctgctt cagcttttgc 120  
tgctcttcag cctagagtac ctgaagctta cctccaaaat gggaactttg aggagcagcc 180  
aaaccctaaa tacctgaaga aaacaaagct ctttggttaa tacgctttgc ctaaaggga 240  
gatcaatggg ctggg 255

<210> 904  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952812H1

<400> 904

ctctgttctg ctcttgcct gcttttccat ccatttatgt gaaaaaggaa aaattgcctg 60  
agggtggttca atcactatgg aatcctgcaa ttgtattgac ccacaagtgc cagctgatga 120  
cttattgatg aaataccaat atatctctga tttcttcatt gcccttgctt atttctcaat 180  
ccctttggag cttatctact ttgttaagaa atcagcagta tttccatata gatgggtcct 240  
tgttcagttt g 251

<210> 905  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952813H1

<400> 905

catatcccc cctagctaca gagcagccaa aggggaggaa taataataag cctatattct 60  
aaggccggaa aaataaaaaa ggaataacaa aaatgtctgg aaaggaatt atctcggctg 120

tttctctcat cctggtggtt ggagtggcca taggtgtggt ggtggccgtc aacaagaagg 180  
 gcgaggatcc cacacttcaa tctcaacaaa aatcagtagg ggttatctgc caaaacactg 240  
 atgaccagaa 250

<210> 906  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952815H1  
 <400> 906

catcatcttc atccttgtct ttccaatcat tatttcttgc tcttgggcct cgtcgttggg 60  
 cctgagtagc aatgcgacga ccattctacga ggtcctgagc gagcacgggc tgcccatggg 120  
 cctgttcccc cagggcgtgc gggagttcgc ggtgggcgag gatggtagct tctgggtgcg 180  
 cctcgacgag gcctgcaacg ccaagttcga gaacgagctg cattacgagc gcaacgtctc 240  
 cggccacctc a 251

<210> 907  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952823H1  
 <400> 907

gaaaatccaa agaaagaaag gaaacggaat aattcgatac ccctctcgtc tcgtaactaa 60  
 ccatggcagc gttccgatgg aagagcttcg aggagaatga ggatcgccca gccaaagcctc 120  
 gtcattttgg cgtcaccgag attcaaagcc cccactgcac tctcttctcc cacaaccttc 180  
 ttcaggatat ttttgaatct atgggagact atgtagatgg gttaaagttt tctggagggt 240  
 ctcacagcat gatg 254

<210> 908  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952827H1

<400> 908

ctaaacaact ctttctcttc ttccttcgct cgttggtctc cctcgcgtag atcgacaatg 60  
gcggagacag agacgtttgc tttccaggct gagatcaacc agtcctcag tctcatcatc 120  
aacaccttct actccaacaa ggagattttc cttcgtgaac tcatacagcaa cgctccgat 180  
gctttggaca agattcgatt tgagagtttg acagataaga gcaagctcga tgctcagcca 240  
gagttggt 248

<210> 909

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700952828H1

<400> 909

aaaaacttca aagtgggtga taaggttga gttggtgtga tagtggagtc ttgcaaggaa 60  
tgtgaaagtt gccacaaga tctggagagt tactgtcccc gccctgtttt tacctataac 120  
tctccttatt atgatgggac acgaaccaa ggtggttatt ctaacatcat ggttgtgcac 180  
cagcgttatg tgctccgatt tcctgagaac ttgcctcttg atgctgggtgc tcctctgctg 240  
tgtgctg 247

<210> 910

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700952837H1

<400> 910

gtatataccta gttgttctga tgcaagggtga atgtgggata agaagacagg ccgttccagg 60  
ggatttgggt ttgtttcttt tcggaatcag caggatgctc aaagtgctat aaatgatttg 120  
actggaaaat ggcttggaag tagacagatt cgttgtaatt gggcaaccaa aggggccagt 180  
gccagtgatg aaaagcagac ttcagattcg agaagtgtcg tggagttgac caatggatca 240  
tctgaaga 248

<210> 911  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700952838H1  
  
 <400> 911  
  
 gttcatggaa gggaaaccag atctagttat tggaaattac actgatggaa atttggtagc 60  
 atcactaatg gctagaaaac ttgggataac tcagggaact atagcacatg ctttagagaa 120  
 gaccaagtat gaagactcag atgtcaagtg gaaagagttg gaccccaagt accacttctc 180  
 gtgtcaattc atggcggata cagtggcaat gaatgcatct gatttcatca taaccagcac 240  
 atacnngg 248

<210> 912  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952840H1  
  
 <400> 912  
  
 gaacgatcct cgtcttctaa aggaagatac tcttaataat gaactgagtt catcaagaag 60  
 agatatgcaa ttatctgtaa gggatgcact taactcaaag aaagacgagc ctcagaaaga 120  
 ttcagatgct ggtagcatgg catgtcttaa tttcagtgat gacgatgaag cagattttga 180  
 tgcaagaatg cgcattgcaa tactcaaaaa gaggaaggag ttgggtgatc tcctcccaa 240  
 gccaaagttg 250

<210> 913  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952845H1  
  
 <400> 913  
  
 gcattttgga agttaagcca gtggacatta ctacacaga ccaaataaag gaagaccaac 60  
 atggcacatt ggtctcagca aacagcattg gtgtttacca tgaccatttc tacatattcc 120

atcttgat ttt tgacattgat ggtgtggaaa attcctttgt gaagaccagt ctcaagactc 180  
tacaagtcac agacaacagt tccaagagaa agagctattg gacaactagt aatgaagttg 240  
tta 243

<210> 914  
<211> 243  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952847H1  
<400> 914

gtctcatctg cagtccgagt ggagactgga gttaaagaag gagacaaagt tagcatgcac 60  
tatgatecta tgattgctaa gcttgtggtg tggggagaaa atcgtgctgc tgccttggtc 120  
aaactcaagg atagtctgtc aaagtttcag gttgcaggtc tgccaaccaa tgtcaacttt 180  
cttcaaaagc ttgctaataca cagggcattt gcaaattggca atgtggagac tcattttatt 240  
gat 243

<210> 915  
<211> 247  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952849H1  
<400> 915

ggaagacaag ataaagatgg ttgtacaccg ttgcactggg ctgcattaag gggaaatgca 60  
gaggcatgtg ctgtgcttgt acatgcaggc acaaaagaag aactgatgat gaaggacaat 120  
gctgggaaca cacctgtaca gcttgcatat gataaaggct atcggcatgt cgctcctttc 180  
ctttcaaata aacaacgggc tcatagcaac tactggaaag ggaaactgtg tagtgggata 240  
gtgacag 247

<210> 916  
<211> 240  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952858H1



<400> 916

gtatttatgg aatggatttc tttgttggtc tggagcgacc tggctatcgt gttggacgtc 60  
gccgaagatg caagtcccgt gttggaattc agcaccgagt cacaaaggag gatgctatga 120  
agtggttcca ggtgaagtac gagggagtga tccttaacaa gtcccaggct attctttagt 180  
tagattgagt tcactttagg agtgtgttat cagttttgtc aactatagct cgatctttct 240

<210> 917

<211> 140

<212> DNA

<213> Glycine max

<223> Clone ID: 700952862H1

<400> 917

accaacaatg catgcagttg gcattctgct aaaaaaacat tgtaatcttt tttactactt 60  
ccttaaatat ttgcttgcta caagcattca aacactcgct aatcctcaac tgcttaaagt 120  
aaagttctta tttaatattg 140

<210> 918

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700952876H1

<400> 918

cggcaaacct ggccgcccgc gccttttgaa caacaacgtt cttggccacg actactttga 60  
ccttcccga a tgggttgatg atcaagttgg tggtcgcaaa ctccctacata tgactggacg 120  
gaaacgcatg gcccatgtgg ttgttgcaaa ggatggcagt ggaaatttca ccaccatcaa 180  
tgaagcattg aagcacgtgc ccaagaaaaa cctaaggcca tttgttatct acgt 234

<210> 919

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700952882H1

<400> 919

ttgttattga gggaacggga gtgtttgtgg atggccctgg ggctggcaaa cacatccaag 60  
caggtgctaa gaaggttatc atcactgctc cagcaaaggg tgctgatatt ccaacttatg 120  
ttgtcggagt aaatgaaggg gactacactc atgagatctc taacattata agcaacgctt 180  
cctgcaccac aaactgtctt gctccctttg tgaagatcct ggatgcagag tttggaat 238

<210> 920  
<211> 237  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952886H1  
<400> 920

caaaatcact ctatTTTTTTta gcaccaactt caattattac aacaaagtat aattaattag 60  
gcagagaaat atggtggtga aggtgtatgg tccagcaagt gcagcctgtc ctcaaagggt 120  
gttggtttgc ctcttagaga aaggagtaga gtttgaactt gtgcatgttg atcttgatct 180  
aggagagcat aagaaacctg aatttcttct cagacagccc tttggtcaag ttccagc 237

<210> 921  
<211> 203  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952891H1  
<400> 921

ggacgtgttc cttccatttg ttaaaagaca ttaatgtata atctttcttt tcattcccgc 60  
tgttgacgta ttgaggataa gtctcgtgct gtccacataa caataggagg attttgagtt 120  
tgtttgatg aaacttctcc tgtgagtgtc ggaaaatata tgtagctgtg ttcttcagt 180  
tattcccact tatttatctt ttc 203

<210> 922  
<211> 231  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952892H1  
<400> 922

U.S. GOVERNMENT PRINTING OFFICE: 1980

gtaaccctta ttttatctat tctctctctt tcttttgtgt tctaagcagc tagaagcaat 60  
 ggagaggaaa agaagccatg cctctttcac catgtttgca atgcttggtg gagtgatctc 120  
 tcagagcctt gtcattcctg tagtatccac cactgttgaa gatcagaaga actactacac 180  
 cccagatcca catgctggaa gtccccctc aggtttctcc gattctctgt g 231

<210> 923  
 <211> 52  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700952903H1

<400> 923

gcttncattc cacacgcttt tgntatccac ttcgttntan tttatnnagc ga 52

<210> 924  
 <211> 62  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700952908H1

<400> 924

atcaggctgt taatggngaa tgccaangtt gactgagcat tncncatana nctctatnat 60  
 gc 62

<210> 925  
 <211> 95  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700952948H1

<400> 925

ggtttgaccc acngtttgan gacgganann gtccgtcgac gtgtatnana actnngcgag 60  
 tctctggcga cgcgcnngca tctccaactg ggctg 95

<210> 926  
 <211> 104

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952967H1  
 <400> 926  
 cagaactgca gttatcttgt tagtttgggt tttcatgatt ggatgctagt gtgtaagttg 60  
 tattgtcatt ttacagtttg taccgcctg tgttctgcca ctga 104

<210> 927  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700952976H1  
 <400> 927  
 gaattaattg atgaatgana ttcaaatact aattgttgct atcacaattc acaagagatt 60  
 ggattttgga atggaaaggg tgttgtcagt agatgagata tcggagcaat actgggtggc 120  
 tgnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntcaag tcaaagatga accggagcga 180  
 ntccgaatgg gcctttcagc agttcctaca gcaggaagct gcttcttctt catctaattc 240  
 tgatcatgnt gatgat 256

<210> 928  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953008H1  
 <400> 928  
 gtccaatacc atggcacaaa tgggtcaaggc agtgcgcatg atccttgggc tagaatcctt 60  
 tggccctaca ccaaagaagc cattaaatga atgcttggat attgaaattg aggacgatga 120  
 accaaaacga aaaccatctt tggaagagat tgatgccttg gaggtacaca ccctttacat 180  
 ttattttaatt agtatattga tttctcctct tcaagtttta ttttctgctg tggaattaaa 240  
 acatatgttg tctact 256

<210> 929

<211> 257  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953011H1  
  
 <400> 929  
  
 gtggcactaa cgtctgccaa agaagtgtca ccgctgaagg gatatttcac aatattttta 60  
 ggcacaaggt tactcacatg gggggtgcac cgacagtttt aaacatgata atcaattcac 120  
 caccctaaagt ccggaagccg cttccgggaa aggtcgaagt gatgacaggt ggtgcaccac 180  
 cgcctccgga tgtgattatc aggatggaag aactaggatt taatgtgact cattcatatg 240  
 gtttgacaga aacctat 257

<210> 930  
 <211> 130  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953015H1  
  
 <400> 930  
  
 gaccaactta ctcatgttta cacatttata ctccgtccgg atgcaaccta cagcatcctg 60  
 attgataatg tggagaagca aactggtagt ctctactctg attgggatct tctccctcca 120  
 aagacaatca 130

<210> 931  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953017H1  
  
 <400> 931  
  
 cgccgtgata acacactaac accaccactt catcaacttt acttgacaac aatattgtaa 60  
 aactacaaaa tctagtttca tacttttttt cttcttcttg aaatggctct ccaggctgct 120  
 tctcttgttc ctgcttcttt ctcggttctt aaagagggaa agagtgggtg gtctctcaag 180  
 gactccacct tggtcggctt ttcattttca gaacctatca aagctaactt cagctcttct 240  
 gcatgaggtg caaga 255

<210> 932  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953019H1

<400> 932

gaggcaaagg tgcaaaagaa ggaaagtagt tcagatgatt cttcttcaga atctgaagat 60  
 gaaaaacctg cacccaaatc tgctgttctt tcaaaaaaga tacctgctaa gaatggtgct 120  
 gccctccaa agaaaggcaa gctgcctcc agttcttctg aagatgactc ctctgatgag 180  
 gatggtgtgc gtgcaaagaa gccacagaaa atggttgctg agaaacaaaa gaatggagca 240  
 acgtgcaaaa gaa 253

<210> 933  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953042H1

<400> 933

eggccacctt ttcttttctt tttctttttt tctctttcct cattctactt aaaactccca 60  
 ccagtgatgg caggtttggc tccagagggg acacaattcg atggctcgcca atatgatgct 120  
 aagatgagtg aattgcttct cactgatggg caagaattct tcacctctta tgatgaagtg 180  
 tatgacagct ttgatgcaat gggattgcaa gagaatcttc tgcgaggcat atatgcttag 240  
 gttttgagag 250

<210> 934  
 <211> 114  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953047H1

<400> 934

tccatttcca tttctctctt ctcagtttcc aagaatctta agctatggga aagtcttacc 60  
 caaccgtgag cgctgattac cagaaggccg ttgagaaggc gaagaagaag ctca 114

<210> 935  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953068H1  
  
 <400> 935  
  
 caacttctgc tacttcctac tccaaccgca cttctgctcc gcaattatca tgggcaaggt 60  
 caagatcgga atcaacggat ttggaagaat tggccgtttg gtagccagag tggctctgca 120  
 gagagacgat gttgaactcg ttgccgttaa cgaccctttc atcaccaccg attacatgac 180  
 atacatgttt aaatacgaca gtgttcatgg acactggaag catcacgatg tcacgttaag 240  
 gacga 245

<210> 936  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953075H1  
  
 <400> 936  
  
 cgcgactact atgtcaacat aagaaaagct atgctagctg ggtatttcat gcaggtagct 60  
 catctggagc gtacaggaca ctacttgaca gtgaaagaca accaggtggt gcatttgcac 120  
 ccatccaatt gcctggatca caagcctgaa tgggtcattt ataatgaata tgttcttacc 180  
 agtcggaatt ttattcgtac tgttacagac atacgtgggg aatgggttgg tgatgtgcac 240  
 cacatta 247

<210> 937  
 <211> 101  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953080H1  
  
 <400> 937  
  
 cctcgctcta tttctcagtc tctgtgtttg cggctgagga ttccgaacga gtgaccttct 60  
 tcgtttctcg caaagtttaa gtaatcatgg gtaaggaaaa g 101

<210> 938  
<211> 127  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953083H1

<400> 938

cttatctgag tgggttcggt ggaaccaaag cgtgcttctt cttgctccta tcctaagtcc 60  
taattcagca tcgtgctggt ccaattcgaa actcatatat ataaatacag atcccaactc 120  
aaaagcc 127

<210> 939  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953084H1

<400> 939

ttcggatcta gagtcttcag tttctcctcg ttgtttcttcg ctttctctgtt ttcaatttcg 60  
attcttttcgt taatttaata agatgttttg gagggcaccg aagaagagcg ataatacagag 120  
gtactacgaa atcctcggcg tctccaagaa cgcttcgcag gatgatctga agaaggctta 180  
caagaaagcc gccattaaga atcaccccgga caagggcggt gatcccgaga agttaagag 240  
ctg 243

<210> 940  
<211> 151  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953094H1

<400> 940

ccatagcccg cctcctccac ggcagaactg acaacgccat caaaaaccac tggaactcca 60  
ccttgaagcg caagtgcact tcaaccatga ttgacgacga caacactccc ccgctcaaaa 120  
gatccctcag tgccggcgct gctattccag t 151

<210> 941



<211> 256  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953101H1  
  
 <400> 941  
  
 gattgacccg tattggacag tgatacctgt gatgcttggt cattactatt caactcaccc 60  
 tttggcacag tatcagtggg ggaggctcag gatcgtaacg ttgttgactt gggcgtggag 120  
 tgttaggctg atccacaact acttcaggcg agaaaagtgg cagtggggtg ccaggaggga 180  
 ttggcgtttc actgatttga gccatcgcta tggaaggcat tgggtggtggg cttcttttctt 240  
 cgccatctac gtcctt 256

<210> 942  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953112H1  
  
 <400> 942  
  
 ctaaggatgg ggaacagtgg gtttttgtat tacaatcaag caagtggagg accctcttct 60  
 tataagagta ctcttggggg tcatcaccac caagcattgt tggcacagac ccaccaggga 120  
 catgttgggt ttggggcagc atcatcgtct acatcatcct taggtgttgt gaatgcgttg 180  
 aggaattcaa aatatgccaa agctgctcag gaattgcttg aagagttttg cagtgttggg 240  
 agaggccagt tcaag 255

<210> 943  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953113H1  
  
 <400> 943  
  
 caattccatt ctctttgcct gcctagtttc aattctgtcc aatttcacaa accaaaacaa 60  
 gccacacaag ttcatggcaa ctccaataa cagactctct cttgccatgg agagaactgg 120  
 gcaatgggtt ttctctcaag acataccaac tgatgttata gtggaagttg gagaaacaac 180

tttctctctg cacaagttca tgctagtggc aaaaagcaac tacataagaa aactgatatt 240  
ggaatcagat gagagc 256

<210> 944  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953115H1

<400> 944

gttcaggatc aagtaaactg gcacccaat ttaagtctct gatttgtctc tccacagatc 60  
acaacaacgc tctcacgcac tagtttgacc acttcgctgt ttgcactttt gggttcctcac 120  
cgatccacac aggttggaga cacggagtgg cagcagaaaa aaaataaaaa taaaaaagct 180  
accttttttta tttattttgt gttgggggat gggaaaaagt gacccttata tttatataac 240  
ggtaatttgg aaatgag 257

<210> 945  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953116H1

<400> 945

aaagatcatg ggtgttaaag ttccttcaag cataacttga attcaccat tgcttttcat 60  
tagagttttg cagatgtgcc agtggcggtt tctccagat gttcctcccc cttataaggg 120  
atacagggat gaggactggc aagacaatga tggagcacta aatacaatat ccatgactca 180  
tctcgcctc ccaattgaac accccaactg cttggttgaa aaggaatcag actgccaacc 240  
attacaacct ggcattc 257

<210> 946  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953117H1

<400> 946

agaaagataa agcattccat agcctcccat aaaaatgaag aatactatct tctctgctct 60  
 ctttctactt tgtgccttca ccacctcata cctaccttca accaccgagg tggctgatac 120  
 cgacggtgat attcttcaga atcctggcac atactttatc ttgtccgttt ttcgaccgag 180  
 cggcggagta gaattcgccg ccactggaaa cgaaacttgc cctctcactg tctgagacag 240  
 tctcttcggg agggg 255

<210> 947  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953119H1

<400> 947

tgcagttggc cagaaaaatgg acttgggtgtt ttatacattg cagcttggtt tctttgacat 60  
 ggattttgat ctcatctcca aaagcataga caaagccaaa aacttggttg aggaaggtgg 120  
 tgattgggaa aggaagaata ggctgaaagt gtatgaaggc ctgtactgca tgtccactcg 180  
 aaatttcaag aaggctgcca agttattttt ggattctatt tcaaccttca ccacctatga 240  
 actttttccc tat 253

<210> 948  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953130H1

<400> 948

ctggatttct taatactagt tggtagcaca gaatcgattc gaaatcgaac caaaaaaat 60  
 atcacgttct tgtaacaagt caaagacaca actcaacttg aaccaaaaaa taacaaaatg 120  
 cgttcgatct aaggcttgaa ctaaaaacat cccatttcca ctccaactc tgtttcacca 180  
 tttcttcaat tgaatacttc tctgaatcac tatgatatat tcaactctctt tctgctgcat 240  
 cccactttta ttctg 255

<210> 949  
 <211> 253  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700953131H1

<400> 949

ccaaaatccc cggtaacacc gaatgtgacg gcgttggcat tttgggcatc gcttgggcct 60  
tcggtggcat gatcttcac cttgtttact gcaactgccg aatctctggg ggacacatca 120  
accctgcggt gacattcggg ttgttccttg gacgcaaggt gtctttgggt agggcggtgt 180  
tgtacatgat agcacagtgt gccggtgcaa tctgcggtgc tgggttggcc aaagggttcc 240  
agaaatcggt cta 253

<210> 950

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700953134H1

<400> 950

ccatatcccc ccctagctac agagcagcca aaggggagga ataataataa gcctatatcc 60  
taaggccgga aaaataaaaa aggaataaca aaaatgtctg gaaaggtaat tatctcggct 120  
gtttctctca tcctggtggt tggagtggcc ataggtgtgg tgggtggccgt caacaagaag 180  
ggcgaggatc ccacacttca atctcaacaa aaatcagtag gggttatctg ccaaaacact 240  
gatgaccaga ag 252

<210> 951

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700953136H1

<400> 951

gccatttcaa tccccagttt cttcttcaac gtctctttac gagcagatcc caattctcct 60  
tcccagtttc aaaccctaata tccctcattc ccatggcctc agaagagccc actgtcgcgg 120  
tggaaccgcg tcccgaacct gccaccgccc agcctcccc ggaggagaag gaggagccca 180  
aacctgaagc caaggctaag aaaaccaagg aacccaaacc taaaaagggt tccagaccac 240

gcaaccctcc ca

252

<210> 952  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953140H1

<400> 952

ttgttgagga agcacatggc tggtagtagt tcaaagccag tgatatgtcc gcgaaccagg 60  
gacaaacttg gctttcccat ggccccactt ccaattacca ctcttcaat catcttgttt 120  
caagaggagg aattggaagg ctcatcggtt gttgtgtac tttcaatttc aggttaagaa 180  
agagcaaaac ggctgcgttt tcggtcatga gaaactttgg cgtgacgacg gaggaagacc 240  
atgagttcgt ga 252

<210> 953  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953148H1

<400> 953

atcgtcatcg tactactact acccacgttc tgctcctttg cggatcgtgt ccacaaaaga 60  
tggcagacaa tgaggatgga agggataaga ctactcgtgg gaatgaatgg gaggttgtat 120  
ctctgacagc atcgacatat gcagctgctc ctggctctga tgaagttgag atgaaggatg 180  
atgggaacga agatgtatat ggacaagatg aaggagaaac gttacatgct ttatttatgt 240  
ctcgtcactt tgt 253

<210> 954  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953149H1

<400> 954

aatttatcat cgcagcccat tattttcaga ggatcattcag atggcatatc cagtttctcc 60

atttggggcc aagatgttat ttcaatttcc cggaatagaa ttgggcttct ctccttgtct 120  
 aaatctccca atgaaacaga tgggcagcat cacattagcc ctcagaaact atatgtttct 180  
 gataatggtc agagaagctt gtcagcgta tcaagtatta gtatacttcc attctctcga 240  
 ttgtttctca 250

<210> 955  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953152H1  
 <400> 955

gtttacaacc ccaaacagct aggaaagaag gtaatttggg gggtgaaaaa gttagataaa 60  
 gagacgctcc tagctactgt tttatttagt tggatgtttg cttctttgtt gggaccctgt 120  
 tgtgttggtt cacgtgacaa agaacgtagc aacataatct gtgagcatgc aagacatgat 180  
 ctgctggatt gacaaactat gttagcacga actgtttgga tctatttttt gaggaaatat 240  
 ggtttaatt 249

<210> 956  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953153H1  
 <400> 956

cttcagagca cagggcaccg gtatgaaggt ggattctgga cagaccatgc aaagcatgat 60  
 ccattggaca atgaaagaca tggtgcaata gtgacaactg ctagtcttcc ttggatgacg 120  
 ggaacagctg taaaccact atttcgagct gcatatttat cacaatctgc aaagcagaaa 180  
 gttactctgt tggttccatg gctttgtaaa tcagatcaag aactggttta tcccagcaat 240  
 ctcactttta 250

<210> 957  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953160H1

<400> 957

caacggaaag gaactttgca agagtattaa cccagatgaa gctgttgctt atggtgctgc 60  
agtgcaggct gcgattctca gtggcgaggg taatgagaaa gtgcaggatc ttcttttggt 120  
ggatgttact cctctatcca ctggtttgga gactgcagga ggagtcatga ctgtgttgat 180  
tcccagaaac acaaccattc ccaccaagaa ggagcaggtg ttctcaacct actctgacaa 240  
ccagcccggt 250

<210> 958

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700953161H1

<400> 958

gccactatag taaacaatct tctctatcta aaatggagtt tgttctaaac tacctaaatg 60  
ccactgccat tggagttctt tctctaacct tcttcttttt gtttttgat aatcccttca 120  
aatttgcatt aggtaaaaaa gaggtcccg aagttgcagg tgcattggcca atacttggtc 180  
acctaccact attgagtggg tcagagacac ctgatagggt tttgggtgct ttggctgata 240  
agtatggacc 250

<210> 959

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700953167H1

<400> 959

gggattgaag agtaaacata ggatccacga tcaactcgat ttatacttt tgtttctatt 60  
tctctggagg cagctagcta gggtcatact catggggagc ttgaaaggag acagtggaca 120  
tgccaatggc gaaaatctta ccgaagctct tttgccaaca cgagatgcac aacaacaaca 180  
tcaaacagac gacgaggaac aaagatttgg tgacaagctc tggcttgaaa ccaggaagtt 240  
atggctca 248

<210> 960  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953168H1

<400> 960

gtgggggtggg aggcacacgc acaaacgcag agtcagaatc tccaatcttc aatcggagac 60  
aaagctagct cgaacgaacg aagtagagta gtgtgctacg aaaaatgtgg cgggtgcatcg 120  
cacgtggtct ccgtggacct gcttccacca gatccacctc caatcactca cttggatctc 180  
aactttctag attctttctct agtggggcga actcctcgta caccgtggtg gatcatactt 240  
atgatgc 247

<210> 961  
<211> 249  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700953178H1

<400> 961

gtcgagctcg cctccgcgga ggtcattttt cagaaccccg atctgatgaa caaggtgcgt 60  
gatttgttnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc ctgaaacgtg ttctctgggcg 120  
ttgaattgcg ttgccaccac cgatcaaggc gagaacgacc cttcctcgct ctgggtcaac 180  
cctgaaatca aagactcctc caccgtctcg ccgccgaatt ccacgggtaa taagacgatg 240  
catttcgaa 249

<210> 962  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953180H1

<400> 962

caaaaaggaa agaagcagat tctgtccttt gaaatcaaca agaaaagatg tcaggtgaag 60  
aggtagctgt tgcagttgag gtacctgcta cttcaattcc aggtgagcca atggacatca 120



tgactgctct acagcttgtg ctgagaaaat ctctggccta tgggtggtctt gcacgaggtc 180  
 ttcataaagg tgccaagggtg atcgagaagc atgctgcaca gctctgtgtt ctagcagaag 240  
 attgtgacca 250

<210> 963  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953184H1  
 <400> 963

ctcttttcaaa agggagaaga aaaggaaagg aaacaaaacg cacaaggat tattatagca 60  
 atggcagaac aaaacaaaa ccagacaact gaagctggaa ggcaccaaga ggttggccac 120  
 aagagccttc tccagagtga tgctctttac cagtatatc tggagaccag tgtctacca 180  
 agagaacctg aatccatgaa agaactgaga gagttgacag caaacaccc atggaacatc 240  
 atgaca 246

<210> 964  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953185H1  
 <400> 964

acttgtcctt ctttgcgaga ttgaatcgta agcagcggct accctaattc tctcctcttc 60  
 ctctctacta atttcagcta tggccgacga agctgtgggtt gttccagatc ccaccagat 120  
 cgatgtcaag ctctttaacc gctggagctt cgacgatatt gagattactg acatttctct 180  
 ggctgattat atcggagtgg cgacatccaa gcacgccacg tatgtgcctc acaccgccgg 240  
 caggta 246

<210> 965  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953189H1

<400> 965

agctgcgata ctctgcttcg atggccaccg tgcaactcca atccctaacc cttgttcgct 60  
cctcagcaact tccttcgcgc acctttctccc ctccgatcgc cgtctccggc cgccgcaact 120  
ccgccgcgct gccgcgctac tccggcctcc ggctccgacc cgccgctgag accagtttcc 180  
cgactcacgc cagctcgaga accgcttctc gcggcggagg tgtcaagtgc gaggcaggag 240  
acac 244

<210> 966

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700953195H1

<400> 966

cgtctttctc gtcttcgatt catcgccaaa cccaacctt tcctatctcc tcattcaaca 60  
ccatcccatt tttctctcac ccccaaaacc aagaaaccga atcgattccg attccgattc 120  
cgatcaatgg ctgcggaacc caaggaatcg cttccaaca accccggtct tcacactacc 180  
cctgacgaag ccaccaaggg ttacatcatg caacaaacta tggtcagaat caaggacccc 240  
aaagtga 247

<210> 967

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700953210H1

<400> 967

tctacctctg ccactttctg agtacaatac aacactgcc aaggctgctc agtctccact 60  
attggagctg tcaacagagc tccactgagc ttgaacagct ctgaagctgg agattcggtt 120  
cccagttcag ctttctttgg cacaagcttg aagaaggtta ctgcctcaag ggtccctaac 180  
gtcaagattt cttctggaag tttcaaaatc gttgcggcgg agaaagagat tgatgagcaa 240  
caacagacaa acaaggacag atggaaagggt cttgcct 277

<210> 968  
 <211> 276  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700953222H1  
  
 <400> 968  
  
 gtttgataca ggagcatntg ttggtggaag caaacagatc tttgaccatg aagctggaag 60  
 aaatcanttc aagaaaccag tataggcaaa catgggaagc tggtagagcaa agtatgccat 120  
 atggaaccca aaatgctcac tctcaaggct tcttcagcc tttggagtgc aaccccat 180  
 tggcagatag gttctgacta caggtacatc cctgaagcct cagagcagca gctagctgcc 240  
 acaactcaag cttcaacaag tcatggattt ttctg 276

<210> 969  
 <211> 278  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953228H1  
  
 <400> 969  
  
 caaacctaa ccctagaaga agaaaaaac cacaaccacc accatctagg gtttttcttt 60  
 ttctcatggc tagtttgtca actaggattt tcttcatcat gtcccttggtg tgctggctc 120  
 tcggtccaat ggcacaagg gaaatgacat gtggccaggt tgtgagcaac ctgaccccat 180  
 gcatctccta tgtggtgtat ggtggaacca atgttctga acagtgtgc aatgggataa 240  
 gaaatctcta tggcatggct cagaccaaac cagaccgc 278

<210> 970  
 <211> 283  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700953247H1  
  
 <400> 970  
  
 gatgaaaggg antnttgant ccacttctgg ggttggcgat ggttcgagct gcggaaggga 60  
 gaataatgat cgagccaaac aaggagttga actcagcaca gcacagagac aagagcttca 120

gatgaagaag tccaagcttg tgaccatgct cgatgaggtg gagcaaaggt acagacagta 180  
 tcaccaccaa atgcaagttg tgctaacatc gtttgagcaa gcagcgggtg ttggtgcggc 240  
 aaagtcttta cacgggcctt gccttgaaga caatctcaaa gca 283

<210> 971  
 <211> 271  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <223> Clone ID: 700953253H1  
 <400> 971

gcactacatg gggttggtgg agcatntgca aagagtatnt ttgtggatga gcttggggca 60  
 caagaaagct ctttactgaa ctgtacacca aaggaagact ttggaggagg acaccagac 120  
 cccaatttga catatgcaaa agagttggtt gctcgtatgg gattgggcaa atccgaacca 180  
 caagatgatc cccagagtt tgggtgctgct tctgatggtg atgcagatcg caacatgata 240  
 cttggtaaaa gggtttttgt cactcctcag a 271

<210> 972  
 <211> 281  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953264H1  
 <400> 972

gagctttatt actgggaaac ctgtatttgg tactctcggt gctcttctac aaaatggcac 60  
 accaatcctt ggcataattg atcaacctgt gttaagagaa aggtggatcg ggatagcagg 120  
 aaagagaacc tcaactgaacg gacaagaaat atctacacgc acttgtgcgg acctttctca 180  
 agcatacctg tacaccacaa gccacatct gttcagtgga gatgcagaag aggcattcat 240  
 tcgtgttaga agcaagggtta aaattccatt gtatggctgc g 281

<210> 973  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700953271H1

<400> 973

gttttgatg gatacnttgc atgtggttca gaatctaag aggtgtactg ttatcacaaa 60  
tcactgcctg tgccaattgc tactcataaa tttgagtcaa ttgatcacat ttctgggtcat 120  
ctaaatagtg gtgataataa tggacagttt gtttctagtg tttgctggag aaagaaatct 180  
aacatgcttg ttgctgcaa ctcagttgga attgtgaaac tattgcagat ggtctgacac 240  
aaaagagaaa atatttggtt aacattt 267

<210> 974

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700953282H1

<400> 974

gtgacttttg caccaactgg actgacaacc gaagttaagt ctgtggaaat gcaccatgaa 60  
gctctcacag aggtcttcc cggtgataat gttggattca atgttaagaa tgttgctggt 120  
aaggatctca agcgtgggta tgttgccctg aactcaaagg atgacccctgc caaggaggct 180  
gctaacttca ctgcccaggt tatcatcatg aaccatcctg gtcagattgg aaatggctat 240  
gccctgttc ttgactgcca cacttccac a 271

<210> 975

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700953290H1

<400> 975

tcgtgaccgc acgatcaagc tgtggaacac cctgggagag tgtaagtaca caatccaaga 60  
cggcgatgcg cattctgatt gggtaagctg cgtccgtttc agccctagca cccttcagcc 120  
cactattggt tctgcctcgt gggaccgcac cgtaagggtt tggaacctga caaactgcaa 180  
gttgaggaac acgcttgctg gacacaatgg ttatgtgaac actgttgctg tttcccctga 240  
tggctctctg tgtgccagtg gtg 263

<210> 976  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953302H1

<400> 976

ctggaggggg ccaaaatcct aaagataatt atcttgtaga gtttcttttt ctgctaccat 60  
 tttgtgctgt gctgttctgc tgttgctggt cgtttctaaa gaatcagagg tactttgggt 120  
 cctgtttagt aaattcacta tgcgatcatg tcagacacct ttattacagg attaaatcaa 180  
 gggtgccact tgcataact accatttcta cctcaacttt caattccctc ataaggatcat 240  
 cttttgcttc tatatcttct tatttagg 268

<210> 977  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953304H1

<400> 977

gatcaagggtc agtgatgagg acttgagggt cctcacagga agtgacaaga ttgatgatga 60  
 atctgctttg tcattgtggc accccaattt gaagttgctc cttgtcactc ttggggaaca 120  
 tggttccaga tactacacca agagtttcaa aggatcggtg gatgctttcc atgtcaatac 180  
 agttgatata actggtgccg gtgattcctt tgttggtgct ttattgcaa gattgtcgat 240  
 gatcagtcga tacttgaaga tgaac 265

<210> 978  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953308H1

<400> 978

gtaagatcga agcaacgata ggtccatagt aagttggcag acatgttttg catagaaaaa 60  
 tctgaaatgt taagtagggt gctttactgc gattcagttg gggctatcaa acacattggt 120

gatgagccat tcagtgactt cacaagaaca gccaaaaggt tgactattct aatggattct 180  
 ggcagcaaca atgtaggagt gtagtggggc agaataaact attctttaat tgtacagata 240  
 gttcacgaag tctcattttc taacc 265

<210> 979  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953311H1  
 <400> 979

caatggaggc gattaggaag agtaggattc ttatatattgg aggaactggg tacataggga 60  
 agtatatggg gaaggcaagc gtcacgttag gccatccaac ttttgtctac actcgccctc 120  
 ttgatgcaca aactccttcc tctaaggcac agctttgcaa ggagttcaac tctatggggg 180  
 tcacacttgt ccatggagaa cttgagcatg accagattct ggcatgatta aacaagtaga 240  
 cattgtgata tgttctcttc cata 264

<210> 980  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953312H1  
 <400> 980

cgaaaatgtg gaagagaacg ggttttgaag aagaagcagt tcaattgatc aactcagatt 60  
 tcagggacct aagtctagct gctaatagac tcgcccata tgccatcaaa cttgggtggca 120  
 ttggctttgg agcctctttt ttcggattgt ttgctgccat tgctgctatt tatctgttga 180  
 ttttggatcg tacaaactgg aaaacaaata ttctcacagc actatcattc catacatttt 240  
 cttcagcttg ccttcattaa tttt 264

<210> 981  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953319H1

<400> 981

ctcgagatgc acaagcaaaa ctcaaggcac gtcaaggagt ggcccatggt gggatggaag 60  
acctagatgt gaaagatcct cacacaatga agagtgtacc agctgatgct aaaaccatgg 120  
gtgaggatgat gttcaggggc aacactgtga tgaatggata tctgaaggac ttgaaagcaa 180  
cacaagaggc atttaaaggt ggatgggttt ggactgggtga tttggagtaa agcatcctga 240  
tggatacata gagcttaagg atc 263

<210> 982

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700953324H1

<400> 982

gagattacgg cgctctcaaa gccaattatg aatcacttaa acttaactac gacaccctcc 60  
aacaagacca cgaagcetta ctcaaagaga taaaggaatt gaaatcgagg ctggtgcaag 120  
aagagaacaa caacaacact gaaagcgatg tttcggtgaa ggaagagatg ctgaccacca 180  
cgctctgtga aaccgccatt cctggatcgg acacgaagga gttgggttac agtgttttta 240  
caagagtgat gaggtgggag gggg 264

<210> 983

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700953327H1

<400> 983

tcgggattga ctgcctcaat tgctctagaa aaggcaggac agatggaatc tggaaaagtg 60  
gtccttggtta ctgctgcggc aggaggaacg gggcaatttg ctgttcagct agcaaaatta 120  
gcaggaaata cagtggttgc aacttgtgga ggtggggcaa aagccaagct tctgaaagat 180  
ttgggagtta acagagtcac agactatcat agtgaagatg taaaactggt ctaagggaag 240  
agttccccaa aggtattgac at 262



<210> 984  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953328H1

<400> 984

cttgaatctt cgttatcctt ctttttttct ccttgaactc gaatattcac tatggcagat 60  
 gaggtgggtc tgctagattt ctggccaagt ccatttggga tgagggtcag gattgcactt 120  
 gctgaaaagg gtatcaaata tgagtccaaa gaagaggact tgcagaacaa gagccctttg 180  
 ctctcaaaaa tgaacccggt tcacaagaaa atcccgggtc tctccacaat ggcaaacc 240  
 tttgtgaatc tctcgttgct gt 262

<210> 985  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953330H1

<400> 985

gcgagcgagc gagcagtttc aaagagagga tttgggattg ggaaggcgag ggattgcgct 60  
 gcgtctcttc ctcttctctt tcgattcatt cctcattcat aatcttccaa tccaacaacc 120  
 tcagcctcac actcacacat acacacatct gaacgcgtat cgtccctccc atggcttcaa 180  
 agcgcacctt caaggagctc aaggacttgc agaaagaccc accacttctt gcagcgctgg 240  
 tccagtagct gaggacatgt tcca 264

<210> 986  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953335H1

<400> 986

caacttctgc tacttcttac tccaaccgca cttctgctcc gcaattatca tgggcaagg 60  
 caagatcgga atcaacggat ttggaagaat tggccgtttg gtagccagag tggctctgca 120  
 gagagacgat gttgaactcg ttgccgttaa cgacccttcc atcaccaccg attacatgac 180

atacatgttt aaatacgaca gtgttcacgg aactggaag ctacgatgt caccgttaag 240  
gacgagaaga cccttctctt c 261

<210> 987  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953336H1

<400> 987

ctcaacattt tacactcttt tcttctcttc gttgttgctt cgctgttgaa tcatggatca 60  
gaaggctgat ttcagcgtc cccattccat gggaaccact atcatcggcg ttacttataa 120  
cggcggtgtc gttctcggag ccgactctcg aaccagcacc ggagtgtatg ttgccaaccg 180  
agcatcggac aaaatcactc agctcactga taatgtatac tgtgtcgctc tggatcggct 240  
gctgattctc agattgtctc 260

<210> 988  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953341H1

<400> 988

caacctccaa aacacaacac cacaaggaaa caaaacaacc cattgagagc ttgcacaact 60  
ctcatggtag tagtagcact actacttcac aactctctc tctgagtgcc tcacaccaca 120  
gattctgtga tatatatacc aatggaggcc ctcaatgctg ctggcttgac ccctctatct 180  
gtgctctctg atacaaaaac aacaagaact aaacaccctt cgtttctgta tgcaaagtct 240  
caaacttttc cacctcaacc a 261

<210> 989  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953344H1

<400> 989

ctgtggttgt caaaaaggta gatttgaatt tatttaagag agaatcgtat gttgtggaat 60  
 tgggactatt aagtaagggt ccacatgcaa gattgggtcc aatcctgggc cactgcttgg 120  
 acaatgaaaa tgagaaatgc atagtttaca agtacatgcc aaatcgagat ttagctactt 180  
 ccttgcacag agtcactggt tcagatggta aaatacagtc ctggattgga tcacgagatt 240  
 gaaaattgcg ataggagctg 260

<210> 990  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953345H1

<400> 990

acaaaatacg gtgcgttgaa tgggtggtgcc aactttgttg cccctgggta caccaagggt 60  
 gatgggtcttg gtgctgagat tgttggcact ttcattccttg ttacaccgt tttctccgcc 120  
 accgatgcc aacgtagcgc cagagactcc cacgtcccca ttttggcacc cttgccaatt 180  
 gggttcgtg tgttcttgggt tcacttggca accatcccca caccggaact ggtatcaacc 240  
 ctgctcgtag tcttgggtgct 260

<210> 991  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953350H1

<400> 991

gtttctttgc acgctaattc catcttcaaa ttctgccttc attcgattca ggggggaatt 60  
 aaattgtttc tatttttttt cgaatttacc acaaattaga aatcgataaa gaaaaatggt 120  
 gaggggtgttg agaagctgca ttcaatcgat tttgaagctg gtgaactcgg tgattgggat 180  
 ggcgggggcta gccatgattc tgtactccgc atggatgatt gggtttggca gaggaagatg 240  
 ggcgaacttc cctttgggtca 260

<210> 992  
 <211> 259

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700953353H1  
  
 <400> 992  
  
 gttcctgtat taatttttct ctccctgaga ttaccaagct ctgcaacttt gcttctcaac 60  
 atggagtatc gtctcctacc catttttact ttactcaatc ttgcactggg ggcaatccat 120  
 gctgctttac ctctgaagt ttactggaag tcggtgcttc ctactacgcc aatgccaaaa 180  
 gccatcactg atatccttta ccccgattgg gtggaagana aagtaccta gtgaatgttg 240  
 gaggaaggcg cgtaaactg 259

<210> 993  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953361H1  
  
 <400> 993  
  
 ttcgaccct ccaagcgcaa aggatactta tcgtgggatg actattttat ggcaattgcg 60  
 tttttgtcag ctgagaggtc caaagaccct aataggcagg ttggggcttg tttggtgagt 120  
 caagatggtg taattcttgg aattggttat aatggatttc caagaggttg ttctgatgac 180  
 aagctaccct gggcaaagaa atccaggact gggaatcctt ggagacaaag tacccttatg 240  
 tttgtcatgc agaagtaa 258

<210> 994  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953375H1  
  
 <400> 994  
  
 gatgttcttc tacccttttt gccactcact cgacaacacc ataaccataa accaccccat 60  
 tagagacggc gacgttttgg tctccaacgg tttaggaaac tttgcgctcg gtttcttcag 120  
 cccgcgaaac tccacaaacc gttacgttgg gatttggtag aacaaaatct cggaacaaac 180

ggttgtgtgg gttgccaaca gagacactcc tcttaagaca cttccggtgt tctcaaaata 240  
agcaacaacg gaaacc 256

<210> 995  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953381H1

<400> 995

gagcataaaa gaatttcaat tatttaaaat ttctccctca tccaatcaca cttttaatga 60  
acgtggcaat tcaattgtgc gtttcagcat ccaatttttt aattgatgaa aggtgcgagg 120  
tgttctacga atgctgcaag ggttttctgg tccccattc ttttgggata aaaatgcaaa 180  
cattttccgt gcaaagagcg gagtgtacgt tagtcattct cacagaaaag tcttcactct 240  
ctgctcaatc agtttat 257

<210> 996  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953382H1

<400> 996

atttgtcagg gcatgctaga taaatttatt ccttagaaaa tatataataa ttgctcccaa 60  
acataaataa aatatacttt tgtggaaaat aattcaagct tcgtgttatt ttcttttttt 120  
agtttcattg acgaaatata aaagtttctg accgttcaat gcaaactcct gggcaagact 180  
aaaaggtagt ttgaatgctg tgaaagtatg gttggcttca attttccaag ttcctaagat 240  
gagccaaaat tttcaa 256

<210> 997  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953387H1

<400> 997

gtcagcacag gctttaggcg gccatatgaa tgttcataga agagataggg caagactcaa 60  
gcagccatat agccctcaga atgaaatcct aagtgttgat cttgagaaaa ttaccacgca 120  
accctgaat tcagttcaga tttcttttac ttctttgggt tacttatacc catcttctct 180  
tggtgtattg acccataata acactaacc taatctgac cttattctca tgctcctcct 240  
tcaccttcca agg 253

<210> 998  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953392H1

<400> 998

ggagcagaag aaggcaaaga tagtggcaga gctccaagct gtgaagcaca acagtggcaa 60  
gtcctacaat cagttagcgg aggagactgg actcaccaac gtctatgttg ctcagcttct 120  
caggagacag gctcagctca atccccaaac tgccctctta cttcgggcag cgctgccgca 180  
cctgccccaa gaccttgttt ctgagatgat gagaccctt tgaggtctta tgaccctaata 240  
ctcatccaag accc 254

<210> 999  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953393H1

<400> 999

gtttaggaag ggatggaagc ggcagtgggtg gacgtcggct ctaagctcct caaagcgggc 60  
tttgcaattc ctgaccagac tcctgccatg gccgcactt ggagagggtt tatctccttc 120  
aatgcataat tctaagtttc taaccactt agctattctc aagtattact ttggacttca 180  
caaccgcaca atcatatcac cactttagta cctactatac ctaactatct atctctgtca 240  
gaatccctaa ttga 254

<210> 1000  
<211> 254  
<212> DNA

<213> Glycine max

<223> Clone ID: 700953394H1

<400> 1000

cgcaactgatg gtattcctga acaggacatt gtcaagcttg ttgacacctt ccctggccaa 60  
tccattgatt tcttttggtgc actgagggcc agagtatatg atgatgaagt gaggaagtgg 120  
atttctgggtg ttggtgttga cagtgttggg aagaagcttg tgaactcaaa agatggacct 180  
ccaacctttg agcagcccaa gatgactctg gagagctctt gctgtatggt aacatgcttg 240  
tccaagaaca agag 254

<210> 1001

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700953411H1

<400> 1001

gaacaagggt ttctctgtct gcttcttcac tttctctcgt ttcaatcgaa accaaaacaa 60  
aaacatgggc agaaaattct tcgtcgggtg caactggaaa tgcaatggga ccactgagga 120  
ggtaaagaag attgttatac tttgaatgag gctaaagtcc ctggagaaga tgtcgtagaa 180  
gttgttgtga gccctccttt tgtgttcctt cctgttgtaa aaagtttgct gcgccctgat 240  
ttccatgttt cg 253

<210> 1002

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700953418H1

<400> 1002

ccaacgtgtc ctogaagtcg tcgaatttta gcgacgattt cgatgatgcg ttggaggcag 60  
ccgttagagc ctaccagaag aacttcaacc tcaacatcac aggggagctc gacgacccca 120  
cgatgaacca aatcgtcagc cacgctgcgg cgtgggtgac atcatcaacg gaaccacaac 180  
aatgaactcc ggcaagacaa acaccacgga ttcaccgacg ttccacacgg tagcgcatta 240

ttctttcttt gacggc

256

<210> 1003

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700953436H1

<400> 1003

cagacactga tttatgtaga tagataacca taaccatacc atagcttaca aattaagctc 60

cgctcactct ctttctctct agaatccatg gcagccattg gtctgaatgg cgtaaagggt 120

gggacgacgt cgtctcaggc gtaccttgaa ggcaaggcag tgaaggagac gagagcgttg 180

atggctgaac tgtgtcgcca tttctacacc cttggatggg tgacagggac aggtggcagc 240

atctccatga aggt 254

<210> 1004

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700953445H1

<400> 1004

cagcaatgga gctgtcttcc agtgcatttg tggtaatatt gttggcagtc gcagctacag 60

cagtactctc aaatgggttg gatctatctt tcttgcccag cgatttcctc tttggcattg 120

cttcttctc ttaccagtat gaaggagctt acaagagtga cggcaaagga ctgagcaact 180

gggataacta cactcacgga ccaggtagaa gtgtaataat ggatggaagc aatggggata 240

tcgcg 245

<210> 1005

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700953457H1

<400> 1005

cttaatacag cctatgactc atggcaggtc caaacaagct tagctccttc atcagcagat 60



cccatggct tttggcatga ttgtagatta aatcatgcta aatgtacttc ttcacaaatc 120  
 caatatttgc aagtggtttg acatatgaga aatagctttc acaagaagta taaatatgtc 180  
 ttcagtaa at tactgtaaca agtcatttcc ctgtatctaa tgcaggattc aggaatcaaa 240  
 tgctgaatg 249

<210> 1006  
 <211> 182  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953470H1  
 <400> 1006

gtaatataag agaatctatt ctctttcttt gtcgtttttt aattatcttg gagctttaga 60  
 ataaagtgtt tgctatgtgt tttgttggtc tttataaat atgtaatttg aatcatcaat 120  
 ctctgcttat aatgaatact tttgggtgta tatgaataaa aagtttggtg gggtatttca 180  
 tt 182

<210> 1007  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953485H1  
 <400> 1007

ctcagtgaag gagaatccga ggcgaagaga agagaaaaat taagatggag gggaaggagc 60  
 aggatgtgtc gctgggagcg aacaagttcc cggagagaca gccgattggg acggcggcgc 120  
 agagccaaga cgacggcaag gactaccagg agccggcgcc ggcgccactg gttgacctga 180  
 cggagtttac gtcatgggtc ttttacagag cagggatagc agagtttgtg gccacttttc 240  
 tgtttc 246

<210> 1008  
 <211> 113  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953486H1

<400> 1008

gttctcagtt gaagcggttac cctcgctggc gccgcatctc tccgcagcaa agcgccgcac 60

ctcaccgcag caacgcgccg cacctcactg cagcagctcc gtcgccggca acg 113

<210> 1009

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700953509H1

<400> 1009

atttctttcg agctgacaat cctgaagggtg tggaggcacg taacgaggta gcaaagatgg 60

catttgaaga tatgatattt tggatgcaag aagggtggcca ggttgggata tttgatgcca 120

caaacagtag caagcagcga agaaacatgc tgatgaaatt ggctgaagggt agatgcaaga 180

tcatttttct ggaaacaata tgcaatgatg tagacataat tgagaggaat attcgcttta 240

aa 242

<210> 1010

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700953515H1

<400> 1010

caacaacttc tcaaccacaa cgagttgcta ttcccttcga ttcacgaacc cagaaaatta 60

aaacattaaa aaagatatca agtatcaaaa tctaaacggc atcagcaaac atgtctcaac 120

accatggtga tgaaatggag tatgcggcag.atgataatga aatggcagag gtagaagagg 180

atatgtattt ccgtggcagg gcatttggtg aatcagattc ggatgatgac gacgactacg 240

aat 243

<210> 1011

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700953517H1

<400> 1011  
gcaatttggc cactatgaac acagggcttg ctgcaggtgc agccttgctt gcactcttgg 60  
ctatcacctt ctccctgttg agccctcaaa cctgttttc tccgctgag attccgggct 120  
cgaaggacca ccttcacgct gctcggttac tccatgtcac cggagccgtc gggccggaga 180  
gtcttgtctt cgacgctgac ggcggagggc cctacaccgg cgtcgccgat ggccggattc 240  
tcaagtggga a 251

<210> 1012  
<211> 239  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953529H1

<400> 1012  
tttgtcataa aaatgttgtt ttaacaaca tagactagta ttaataatgt gactgaagtt 60  
gtgtttcttg gtcaactaag gcatccacat ctctgaagc tgattggata ttgctgtgaa 120  
gaagaacaca ggcttctggt atatgagtat ttaccacgag gcagcttaga gaatcaacta 180  
tttagaagat atacggcatc gttaccatgg tcaacaagaa tgaaaattgc agctggagc 239

<210> 1013  
<211> 238  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953530H1

<400> 1013  
gctagatgga aaccaacttg ctgaggctga cgaatttgag gataagatga aggagttgga 60  
gagcatttgt aatcccatca tagcaaagat gtaccagggt gctggtggtg atgcggggtg 120  
agccatggat gaggatggtc ctgcagctgg cagtggaagc ggtgctggac ccaaaattga 180  
ggaagtcgat taagcagaag attctcatgg gttgttcttg attttgtcaa agaccctt 238

<210> 1014  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953531H1

<400> 1014

gtgcctgccca tgtatgttgc aattcaggct gtcttgtctc tgtatgccag tggacgtact 60  
acaggtattg tgcttgattc tggatgatgg gtgagccaca cggtgcccac atatgaaggg 120  
tatgtctctc ctcatgcaat tcttcggttg gaccttgctg gccgtgattt aacagagtac 180  
ttggtgaaaa tccttaccga gagaggatac tccttcagca cctctgccga aaaggaaatt 240

<210> 1015

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700953535H1

<400> 1015

catctttctc tcagcttcac cttcaccttc accttccgaa ttgtatcaaa cctcaaaaaa 60  
tggatcatca aaacaaacac gtagcagtct ttgctttccc ctttggcagc caccttatgc 120  
ctctcttaaa ccttgctctc aaactagctc attcccttcc aaactgttca ttctctttca 180  
ttggcacaca caaatccaat gcaatccttt tcccaaaacc ccacatccca aataacatca 240  
aggccta 247

<210> 1016

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700953543H1

<400> 1016

cgcaacaaaa agaaagaatc ccaggcgagg agaaagatgg aggggaagga gcaggatgtg 60  
tcgttgggag cgaacaagtt ccccgagaga cagccgattg ggacggcggc gcagagccaa 120  
gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgaccc gacggagttt 180  
acgtcatggg cgttttacag agcagggata gcagagtttg tggccacttt tctg 234

<210> 1017

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700953557H1

<400> 1017

ggaatcagag gctcccccta acttctgggg ccacaccccg gaagaagaat actacacctc 60  
ccaaggcggt cgcaacacca agtcccactt cgaaaccccc aacggcaaaa tcttcaccca 120  
gtccttcctc cctctcaacc tccaacccca ccaagtcaaa gccaccgtct ttatgaccca 180  
cggctacggc tccgacaccg gctgggtctt ccagaaaatc tgcatacaact tcgccacc 238

<210> 1018

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 700953560H1

<400> 1018

ctgcgactct ctttccttcc ctctttttcc gaatctgaat cgaaatgggt tcggagactg 60  
agacgtttgc ttttcaggcc gagatcaacc agctcctcag tctaatacatc aacaccttct 120  
acagcaacaa ggagatcttt cttcgtgagc tcatacagcaa tgctctgat gctttggaca 180  
agattcgatt tgagagtctt acagacaaga gcaagcttga tgctcagcca gagtt 235

<210> 1019

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700953575H1

<400> 1019

ctcggatcgc gcattcacia ataaggttga agagggccct gccggaagaa gataaatacc 60  
gtctttcatt ttccggcgat ctcttttttc ttccatcacc gttttccggc tatccctaata 120  
ccttaacaga aatgacgaca tcaaggcgcc ttgcggacag gaaggtggag aagtttgaga 180  
aaaacatcac caaaagagga tttgtgccag acacaaccac taaaaagggg 230

<210> 1020

<211> 126

<212> DNA

<213> Glycine max

<223> Clone ID: 700953578H1

<400> 1020

ggaactatca ctggagaaga gtctgttttt cattggaatt acttgatatt caacatctaa 60  
tccttttagg aggaggatat ttgagcccat gggccgcata ttgaattttg gattagtcct 120  
aatattt 126

<210> 1021

<211> 230

<212> DNA

<213> Glycine max

<223> Clone ID: 700953592H1

<400> 1021

atggccactc ttcttcttcc cacgtctctc cttctcatac ctttcgccac cctcgtctcc 60  
gcccgcctc acctcgccgg agactttctc cgactgccct ccgaaaccga taacgatgac 120  
aacgtccagg gacccgctg ggccgtctc ctcgccggtt ccaatggcta ctggaattac 180  
agacatcagg ctgatgtttg tcacgcctat caaatactaa ggaaaggtgg 230

<210> 1022

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700953593H1

<400> 1022

ggaacaacaa tgagtttgga ctgcgtcact ctgattcctt gcttaaccct acacagaaaa 60  
gaagctttga ttctttcttct tcacaaaagg atgattctga gtcccaacaa caacattccc 120  
tcaggcactt cattgatgac tctcccaaac caccatctca taatcatcat cgttcgtcgt 180  
ccatttgccc cgaactcgac aacatacagt cagataggac tcagttatca a 231

<210> 1023

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700953609H1

<400> 1023

ccaagcttct ctgttaaaaa aaaattaggc gtctaaaggc ccaaagctta gaaagttgaa 60  
gctttttttg ttgaggtgaa agtgaaatgg ttggcaagga taatctgagg gctgaggact 120  
tgaacttgtg ctttaagaag cttatgatgg tggccgggag tgggaacagt gagaaagggg 180  
tgaacttgaa ggttgggggtg atcaccgagt ggaaggatat tcctgtggag cttctgatgc 240  
aaattctgtc ccttgtgga 259

<210> 1024

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700953610H1

<400> 1024

ccgacgtctc cactttcaac atcttaatta gggctttgtg caaggcccat cagctccggc 60  
ccgcgattct tatgcttgag gacatgccca actacgggct caggcccgac gaaaaaacgt 120  
tcaccacact tatgcagggg tttatagaag aggctgacgt ggaaggcgcg ctgaggatta 180  
aggaactcat ggtggagtct gggtgcgagc tcacgagtgt ttcggttaat gttttggtga 240  
atgggctttg caaagagggg 260

<210> 1025

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700953611H1

<400> 1025

cacaaaactt gctatagcag taagctataa ctcatttgag gctctgtgag aattgagaaa 60  
tggctaaaga tggtgaggtt caagagcaag gaggagagta ctctgccaaa gactaccatg 120  
accctctctc agcacctttg ttcgaccag aggagctcac acagtgggcc ttctatagag 180  
ccctcatcgc tgagttcata gcaaaccctt tcttccttta tgcactgtg ctcaccatta 240  
ttggctacaa aaggcagact g 261

<210> 1026  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953618H1  
  
 <400> 1026  
  
 ggaaaaggcg tcttcataaa cgccgccc aaacttctcat acccttttat tcattccatt 60  
 cgtttctagg gttttctttt ctttgccgag aaaatgagag agtgcatttc gatccacatt 120  
 ggccaggccg gtatccaggt tggaacgcc tgctgggaac tctattgcct tgaacacggc 180  
 attcagcccg atggacagat gccgagtgc aagaccgttg gcggaggaga cgacgccttc 240  
 aacacatttt tcagcgag 258

<210> 1027  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953630H1  
  
 <400> 1027  
  
 gtgagataca ctaagttatc ctcataaata cactctaatt aggtggcaag ataagtgtct 60  
 aaccttagta acattgccac atattgtgtt cattttggaa ttgtgccact aaaattctat 120  
 tcaattcatc tatggctgcc tcttcttatg ctatgcaatc aatcctggca aaccctttga 180  
 tccgcatttc cagcgggtct aggggtgaacc aatttggcgt tcctgctttg cacatgagaa 240  
 ggaatgttgg cctgagagtt aggtcc 266

<210> 1028  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953643H1  
  
 <400> 1028  
  
 ggccgagttt cagccttact tcgtcctcgg ggatttgtgg gagttctttc gggaatggag 60  
 tgcttatggc gcaggagtgc cacttgtagt gaatgacaag gatagtgttg tgcagtacta 120



tggtccctat ctttctggga tccaaattta ttcccagaat gtgaagccag ctgtaaagtc 180  
aaggcaactt ggggaggata gcgacagtga ttttagggac tcaagtagtg atggtagcag 240  
tgatagcgaa cctg 254

<210> 1029  
<211> 250  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700953653H1  
<400> 1029

cagtgaagta aatgacaagt cagtttctgg tacaactcaa cttgtttgtg agagatgttg 60  
gtgtgctatt gaaaataaca aaggtattac atcattggac tctatcagtc ctggagaggg 120  
aataaactct gttaataact ctggcgctgc atcagctggc tgtaatagca gcagagaagt 180  
tacaaaagtg aaaaagaaca ccgtattgaa agagcaactt gaattttctc aaagttcaaa 240  
gagtagccaa 250

<210> 1030  
<211> 251  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700953656H1  
<400> 1030

gtttcttctt ctgttgcggt gtgtgtgagt gtgggcacgg taagatgcag accattgcta 60  
ggcgcttagg gcagcaatcg ctgaggccat cgacgtcgct caagtccatc tatccaattt 120  
ccgatcacca ttatggaatg gatcacgagc gttacgtttc taccctcgcc accaagggag 180  
ttggtcacct cgttcgtaag ggcaactggtg gacgatcctc cgtcagtggc attattgcta 240  
cagtatttgg g 251

<210> 1031  
<211> 253  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700953657H1

<400> 1031

gggttatcat atctccattt ccatttcttc tctctcagtt tccaagaatc ttaagctatg 60

ggaaagtctt acccaaccgt gagcgctgat taccagaagg ccgttgagaa ggcaagaag 120

aagctcagag gcttcacgc tgagaagaga tgcgctcttc taatgctccg tttggcatgg 180

cactctgctg gaacttacga cgtgagctcg aagaccggtg gtcccttcgg aaccataaag 240

cacccctccg aac 253

<210> 1032

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700953673H1

<400> 1032

gggtttattg ccaaatgaag aaggctcacg agatacgcat gggatcagtc acatgctagc 60

gctcctcctt cttcttctct ctccggtggt ggtgactcgc cggaagacac caacttccac 120

cttcaacgcc gccgctgaag tgctcagtga taccctttgt ttagaacaat gagagcaggg 180

aaagggagcc aggaagagga tgagtacgag gaagaagagt ttggttcttc caagaaacag 240

ggtacttcct 250

<210> 1033

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700953675H1

<400> 1033

gtatttcctt acctctccct tcaagatgca gatcttcgct aagaccctca ccggcaagac 60

catcaccctt gaggtggaaa gctctgacac catcgacaac gtcaaggcca agatccagga 120

caaggaagga atccccccgg accagcaacg tctcattttc gccggaaagc aacttgagga 180

cggccgtacc cttgctgact acaacattca gaaggagagt actcttcacc tcgtcctccg 240

tctccgtggt g 251

<210> 1034

<211> 257  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953678H1  
  
 <400> 1034  
  
 gaaacaagga gaaagaaaga agatggcagg aaagaaaatc ccagatgtgt tgctgaattc 60  
 aggacacaaa atgccagtta taggcatggg aacttcagtg gagaatcgtc catcaaata 120  
 gacccttgct tctatctatg ttgaagccat tgaggtgggt taccgtcatt ttgacactgc 180  
 tgcaagtgtat ggaacagagg aagccatagg cctagccgtg gccaaagcca tagacaaagg 240  
 ccttataaag agtagag 257

<210> 1035  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953685H1  
  
 <400> 1035  
  
 cagaaaatgg cacagtcttc ctcgatcgtc gttactctga ggcagcactt gtttaaaagg 60  
 aacctcacct ctctcactct gcctcactct ctttctcttc cttccttctc cttctctctg 120  
 agaacaacac cccacactcc tctctctctc tccgcttctt tctcttctca cacctccatg 180  
 gccacactt cccttccctc cgccgatgcc ggcattggacg ctgtccagcg ccgtctcatg 240  
 ttcgaag 247

<210> 1036  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953689H1  
  
 <400> 1036  
  
 gagaaaaagc atatggtctc ccgtcacaga tccaagaagt gggttcaacc gggaatccag 60  
 aactttccac agcctcaagc cccctctccg tctccctccc cccaacgccg ccgtctccgc 120  
 agccgccttc gccctcttcc tccgccgcaa ctgcagttc ccggaactct ccaccgcctt 180

tatcgactct gccaccggcc accgcctctc ctacggcgag ctctccacc gcgcaaaac 240  
cctagcctcg 250

<210> 1037  
<211> 254  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953693H1  
  
<400> 1037

cttagatcag attcgtttca aaagggtagt acttggtagt gctagttcaa acttcaaaga 60  
gctgatatcg attattgaaa tttaaattt tcaatatttt tcattggttg ttggattgag 120  
atatatggcc atagctcggt tagttcggca agcaaagcgc cctcatgggt tgtgggtgaa 180  
gatgacagcc gtgaccatat tgggtctctg cttcatcttt gtgtgggggg tgttttcgtc 240  
ttcttcaacc tctg 254

<210> 1038  
<211> 260  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953701H1  
  
<400> 1038

gccaacgcaa acgtatcgag ccagcctcac aagctagggt tcttcaccgc gctccaccct 60  
tcttccctct cccttcgtcc cctccaattg gaatgtgttt gtgacttcat atgctggtag 120  
ttgacatttt gaaattgtaa ctgtgggtggg agcaataata tattttgaca tcatcatgga 180  
gatacagact tgtggcaggc cgattgactc cttgctagag aaagtgcttt gtatgaatat 240  
tctgtcgtct gattacttca 260

<210> 1039  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953709H1  
  
<400> 1039

ggattacacc ggcgaagatg ttactgttga taactttttt gctgctttac ttggaaataa 60  
gtcagcactg actggtggca gtgggaaggt tgtggacagt ggtcctgatg atcatatatt 120  
tgtatactat actgaccatg gaggtcctgg ggtgctcggg atgcctgctg gtccttactt 180  
atacgcggat gatctgattg aagtcttgaa gaaaaagcat gcttctggaa catataaaaa 240  
cctagtatt 249

<210> 1040  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953713H1

<400> 1040

atcatcaccc gccccaccac catcaccagc cggtgacaat agatttcctt cccgagaaac 60  
ccaccaacaa tattgcaact ccgggtctcg gcaacactgt ccacatcaat ttctgctctt 120  
cctgctctta caaggggaaca gcagtgcga tgaaaaatat gttggagatt gcatttcctg 180  
gaactgaggt tattcttgcg aattatcccc caacgcttcc gaagcgtctg ctaagcaaat 240  
tggttccag 249

<210> 1041  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953715H1

<400> 1041

ccctaaacaa ctctttctct tcttccttcg ctggttggtc tccctcgctg agatcgacaa 60  
tggcggagac agagacgttt gctttccagg ctgagatcaa ccagctcctc agtctcatca 120  
tcaacacctt ctactccaac aaggagattt tccttcgtga actcatcagc aacgcctccg 180  
atgctttgga caagattcga tttgagagtt tgacagataa gagcaagctc gatgctcagc 240  
cagagttggt ca 252

<210> 1042  
<211> 254  
<212> DNA

<213> Glycine max

<223> Clone ID: 700953719H1

<400> 1042

caaataattca tggctttctt tattctctcc ttctcttcc ttcttctgt ttcattctgcc 60  
actgcttggtg atcgctgctt gtatcaatcc aaggcttctt atttctccaa agcttctgct 120  
ctttcatctg gggcatgtgg gtatggctct ttggcactag acataagtgg tggacacctt 180  
gcagctgggtg tggattctct cttcaaaaat ggagcaggtt gtggtgcctg ctttcagata 240  
agatgcaaga accc 254

<210> 1043

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700953726H1

<400> 1043

agcacaacca caacagatct ccttcacaag gttcgccttt tgacgacaaa tgttccctct 60  
ttatatgcgt gggacagtgt ctgtgttaca atctcgagcc gttttcattt tggtcaggtc 120  
tgtttccaga gacaaatatt cgtggagctt tgaagagctg cgggtgtagat atatacaaca 180  
actctggcca actctctagt catatcttcc ccaactgtag caggtgttcg tccttgctgt 240  
tgtggtt 247

<210> 1044

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700953740H1

<400> 1044

cacaccatga aacccttctt ccgcttcgga atcgcttca tcctcctcct ccattcctcc 60  
ctcgcttctc atatccccta ccccaaagca atttccgatt tgaaggatac aattgtgaag 120  
ggatttgggt tcacggcgga agatgatgtt acgattacgg ggttcgatcc tcgagacgcc 180  
gaggtagggc attccgtgga gtaccaatcc gacctcgaaa tcgatcacao ggttattccc 240

ttcaagctc

249

<210> 1045  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953743H1

<400> 1045

tctactctcg ggaaacacct ctcaaagtc atcttcattg tggtgattgg tggcaatgat 60  
atctttggtt actttgactc aaaggatctt caaaagaaaa acaccctca gcagtacgtg 120  
gattccatgg cttccacatt aaaagtgcaa ctacagagat tatacaacaa tggtgcaaag 180  
aaatttgaga ttgctggtgt tggtgcaatt ggggtgctgcc ctgcatacag ggtcaagaac 240  
aaaaca 246

<210> 1046  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953755H1

<400> 1046

aatagaccac cgctaagcct caggactcca gtcctgttc tgccctttga cctccatt 60  
cataataata ataagcccaa agataaaaga tttccgtttg atgctggact ccttcaacca 120  
aaagattcag gagaccagcg tgaggcttct gcacttcgtg atgaggttga tatgctgcag 180  
gaagagaatg aaagtattct agacaagctc agactcgagg aagagagatg caaggaatca 240  
gaggccagag 250

<210> 1047  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953756H1

<400> 1047

caaaacctta aggttcttgt caatttttca gtcttcacca cgaaattggt gtgcatctga 60

gggaggactt cacctcatac ttgcatttca acaagtatca tagtagtagt actctcctac 120  
 gggagttcct ggcagcaacc tatccttatt aggtggagct cgacaccggg cattaaatct 180  
 tgtacttgca tagcctctta ggagaaacta gagtctagag atataatcct tcaacgggtt 240  
 gcttggtt 249

<210> 1048  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953760H1

<400> 1048

gatcgatctt aatttgcgct tcccatttct ttcttccttt ccccaaaaag ttaattaaac 60  
 attaattccc gtccgttact gtaatagtta cgatattaat ctaattttgg tggggtgaga 120  
 gatgttgatc aatgtgaagc aatccaccat gggtcggccg gcggaggaga cgccgcggag 180  
 ggcgttggtg aactccaacg tggatttggg ggtgccgaac ttccacacgc cgagcgtgta 240  
 tttcta 246

<210> 1049  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953763H1

<400> 1049

cattcttccc atcattactt ttctcatgct tgttgtggca actaatgctg atgctgcatt 60  
 acctcctgca ttttactgga agtccaagct tcctaccaca ccaatgccga aagccatcac 120  
 tgatttgcta caacctgatt ggaaggaaga gaaagacacc tctgtggatg tagggaaagg 180  
 tggagtaa at gttggtgtag aaaagggaaa ccaaggacca ggagatggca ctgatgttaa 240  
 tgttggtggt g 251

<210> 1050  
 <211> 253  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700953764H1

<400> 1050

ctgtaatgtg atgtaggaca tctcctatTT tgataaagaa agagttggTg acttgacaag 60  
cagacttgca gcagattgtc aacgactatc ccatgttata ggaaatgatc ttcagctgat 120  
attacgcaac tcttgtcagg gaactggagc aataattaat ttgatggctt tatcttggcc 180  
tctggcatta tctgccttgg tgatttgTtc tattttatct gcaattttcc tggtttatgg 240  
ccagtatcaa aga 253

<210> 1051

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700953770H1

<400> 1051

atctcaccaa aggacaagac attaagaaag gagtgaattt tgcatacgct ggttcaactg 60  
cacttgataa ggatttttta gtacaaaaaa gaatcaatat agaggaagct actttttcat 120  
tgagtgtca atttgattgg tttaaaggac tcaaattctc cctttgtaca agcaaagaag 180  
agtgcgataa ttacttcaaa aactcattgt ttctagtagg agagattggT gggaatgaca 240  
tcaatgcac 249

<210> 1052

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700953777H1

<400> 1052

gaaacaaaga agtaaacaca ctgtttcata ctttcgtttc gttcattcgg cgtagaagca 60  
aaagagagag atagagagag ggaaaaaggt tgctaccaac aacaaacaaa aacagtgttg 120  
cttgattccg cggTggcgag aaccgacgtg agcggcgag gagaggcgcg gaacggTggT 180  
cttcagggtt ttctgacgtc tctgttctcg accctcggcg gtgttttcgg gtcaacgttt 240  
caagaa 246

<210> 1053  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <223> Clone ID: 700953788H1

<400> 1053

gaaagagaga aaagaactag ctagctggag tctgagaact ctagcatgta ctagtactac 60  
 tcctacattc ctccatcttc ctttgtacnn nnnnnnnnnn nnnnnnnnnn gcaagagcac 120  
 aaagatgggtg agagctcctt gttgtgaaaa gatggggttg aagaagggtc cttgggctcc 180  
 cgaggaagat caaatcctca catcttacgt tgacaaacat ggatcatggca attggcgtgc 240  
 cctccca 247

<210> 1054  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953790H1

<400> 1054

gctttgatta gtgtggccta gttgttgttt tctcgatgag aaaggcttct tccactatgc 60  
 attgcgcact tctgcgcttt tgggttcctt tgttgctgct tgctagcttc agctatgctc 120  
 cttctgtttc ggccacaact gaaatttcag ggaatgaagt gaacacagat gggaagggtga 180  
 taaatgaaga gttagcaaaa ccaagtctaa aaggacatga tgaagaagca aagttcaaag 240  
 gatt 244

<210> 1055  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953791H1

<400> 1055

cgcttcctca actgcacaac attcctattc aattccagag gaaagaatca tgagttgttt 60  
 cagctgttgt gaagaagatg actaccagaa ggcttctgaa agtggaggac agcatgtagt 120

aaaaaactca acaggaaatc atggaaatgg tcgtgcatcc gaaactgcaa agcagggcac 180  
tcaagctgtg aaaattcagc ccattgaagt tcctgaatta ccagtggatg aactcaaaga 240  
aatt 244

<210> 1056  
<211> 247  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<223> Clone ID: 700953795H1  
<400> 1056

gaaccttctt ccatagacga ggttgggttg tggatatgcc gccacaaaga gtcaaagaag 60  
atggtcaacg agcaaagaac tcctttgatg gttgctgcca cctacggtag cattgatgtc 120  
atgacgttga tncntctct atcagangct gatgtgaacc gatcatctgg cctgacaaaa 180  
gcactgcact tcaactgtgca gcttcaggtg ggtctgaaaa cgccgtcgat gctgtgaaat 240  
gcttcta 247

<210> 1057  
<211> 247  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700953806H1  
<400> 1057

ctctagggtt tgatcagact caagggttta agccatggga aaaaggaagg caaaggcaaa 60  
gcctcctcca aagaagcgaa tggataagct cgataccgtc ttcagctgcc ctttctgcaa 120  
tcatggcagc agcgtcgaat gccgccttga catgaagaac ttgatagggg aagctatttg 180  
cgggatatgc caagagagct ttagcactac catcacagct ttatcagagc caatagacat 240  
atacagt 247

<210> 1058  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953808H1

<400> 1058

agaaagtgtt caaactggag ccaaaagaag aggtggcgct ggtggtctaa acaaagtttg 60  
tggtgtttct cctgaacttc aggcagttgt tggtgagccg gcaatgccaa gaactgagat 120  
tgtgaggcag ctgtgggcat acataaagaa aaacaacctc caagatcctg gtaacaaaag 180  
aaagataatt tgtgatgatg cactgcgttt ggtatttgag acagactgca ccgacatgtt 240  
caagatga 248

<210> 1059

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700953814H1

<400> 1059

gcctcgaaat cggtgacgat tacgctttca attcctggat cccttattgc tccgttgac 60  
accatgtccc caaaaacaga atgcctgagg ctttctccct cttgagggaa ctcaagcttc 120  
cggtttccgg ttacgccatg gatatcgctc tcgttcagtt ctctccgggt cgggaaatct 180  
tctcgtttgt gtcgcgcaac aacagttgag ataccagtct caggagtgtc tgccggtgtg 240  
ctgga 245

<210> 1060

<211> 207

<212> DNA

<213> Glycine max

<223> Clone ID: 700953820H1

<400> 1060

atttcaaggg ctgaaacatc tatctttaac tgtattctcc ctttgtttcc tcaccagttg 60  
attcaggttg caaacatggc ttttccagac ccatccatgt cagtttctcc acagaggaag 120  
atgggaaggg ggaagattga gatcaagagg attgagaaca ctaccaatcg ccaagtcaca 180  
ttctgcaagc gcaggaacgg cttgctc 207

<210> 1061

<211> 254  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953850H1  
  
 <400> 1061  
  
 ggaacaagca agtgcttcta aaggactatg ttaccggttt tcccaaagaa tccgacatga 60  
 atattgtcga aagtaccata acattgaagc ttccacaagg ttccaatgat gtcttgctca 120  
 aaaatttgta cttgtcttgt gatccgtata tgaggaatct catgaacaag cccgaaggcc 180  
 ctcccaatag tegtgttac actcctggct ctccattaat aggatatggt gtgtctaaag 240  
 tcctggaatc tggg 254

<210> 1062  
 <211> 238  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953863H1  
  
 <400> 1062  
  
 taaagatata tatagtcatt cacatagtaa tcatcattaa tttcagaagc gccaatatat 60  
 gatgaatggt agtggcggtt ttatgatgct gacgcttaag tccggcggtt ttctgtgga 120  
 agtcaacacc caaaagctga aacgcactga cagcagacaa acgggctgt tctctgtgga 180  
 aaggttcatc acatactcgg tgggttggtat gcagcgactc ctttcattga agataact 238

<210> 1063  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953865H1  
  
 <400> 1063  
  
 ctcgcgagc gcacgccgga cttggctgcc tgagactgca aactgtgtgt tgccgatgcg 60  
 gtggccgagt ttgtcaagtc ttgttgcgga gggagcatag gggcgagtgt tctgtttccc 120  
 agttgcattg taaggatga gacgtatccg ttttatcagc attcggaac ctctgcgcca 180  
 acaatgattc agcgtggaag aaatattgga actgaagtgc ttgtgatcgt tgttgtcttg 240

cttgtggttt tgg

253

<210> 1064

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700953866H1

<400> 1064

cagagatcct tgagaagaat ggtgtcaaat tcggcgaggc cgtgtggttc aaggccggtg 60

cacagatctt ctacagagga ggccttgact acttgggcaa cccaaacctg atccatgctc 120

agagcatcct tgctatctgg gctgttcagg ttgtgtcat ggggtttggt gaaggttaca 180

gagttggtgg aggaccactt ggtgaaggac ttgaccaat ctaccctggt ggtgcttttg 240

accctcttgg tc 252

<210> 1065

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700953870H1

<400> 1065

attgggggttg tttcaaagc acaatccctt atgcatggtt tccatcaaca tatatataat 60

gacaatatat acaaaatata taaaatattt gaattaaagc tcataaactt gcacctcatt 120

tgttcacaac taattggatt aggatttact aaaaaatcac atttcctctt ggcaactaat 180

cttccagtga gattacctat caaatacgaa gcttcatcta gacatttttg tatatcgctg 240

aa 242

<210> 1066

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700953871H1

<400> 1066

gagaagctga gcttggtatc ttctccgcca tggattcttt gttcaccaaa actggtctca 60

aacctaagga catagacatt ctcatgtga actgcagcct ttttctccc actccttctt 120  
 tgtctgccat ggtcatcaac aagtacaagc tcaggagtaa catcaagagc ttcaacctct 180  
 ccggcatggg ctgcagtgcg ggtttgatat ccgttgactt ggcacgtgac cttctccagg 240  
 ttca 244

<210> 1067  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953877H1  
 <400> 1067

agatgtcaag gaattgggat tccttgtaa gcatatggag ggaatgggga ggaaaatgga 60  
 tagatatgtt actgtcacta ggaatttgta cagtgcagatg gaggtgttga atgagttgga 120  
 gcaagcagtg aagaagtttc agcataacca gcacgaggag agtaggaggg cttttgagca 180  
 gaagctcatg tggcagaagc aagatgtgag gcactttaag gatgtttctc tttggaatca 240  
 ga 242

<210> 1068  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953878H1  
 <400> 1068

tttattttgc ggcgactgaa atctgatgtg atgcaacaac ttgttccaaa aatacagcag 60  
 gttgaatatg ttataatgga aaagcagcag gaaactgctt acaaggaagc cattgaagag 120  
 tatcgtgctg tttcacaagc tcggatggaa aaatgttcca atcttaattc aaagagtgtt 180  
 cttgaagtgc ttcctcgacg acagataaac aactattttg ttcagttccg caagatagca 240  
 a 241

<210> 1069  
 <211> 237  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953879H1

<400> 1069

gcaattcact ctgtacaatt cttcgttcgt tctctgcagt tatatccttt ttgagcttca 60  
atggcggacg ctgaaacctt cgctttccag gctgagatca accagcttct aagtctcatc 120  
atcaacacat tctacagcaa caaggagatt ttcttgctg aactcatcag caatgcttct 180  
gatgctttgg ataagattcg attcgagagc ttaaccgaca agagcaagct cgatgct 237

<210> 1070

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700953882H1

<400> 1070

ttcctatggc taacaagcaa gtagtacatc tttgggagtg cgacttatgg agggagagggc 60  
gaatttgctc aagcttatgc tcaactcccc gaccgattga aagagaatat tcttccatgg 120  
cctccaagcg gattctaaag gaactcaagg acctctagaa agaccctcca acctcttgca 180  
gttccggtcc cgtagcggaa catatgtttc attggcaagc aactaaaatg gatccccctt 240  
atagccctta t 251

<210> 1071

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700953884H1

<400> 1071

caaatcagca acccggttta aacatcataa cagaatacat aattgggttac atgtatccag 60  
agcgtcctgt ggctaacatg tgctttaagg tctacggcta catcagcatg gttcaagcat 120  
taaccttttt gcaagacttc aaacttggac actatatgaa gattccacca agaacaatgt 180  
tcatggcaca ggtggttagga acaatcttat cagtatttat atacacagta acagcatggt 240  
ggttga 246

<210> 1072



<211> 259  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953916H1  
  
 <400> 1072  
  
 etcctatact ctattttttcg cgtcacataa acaaaaaaaaa taaactgggg agaagcatgt 60  
 tgttgatgtt gggactatgc ttcctattgt tctctgcatt tccacttgcg ttctctgaga 120  
 gatgccaccc acaagacaag aaagcgttgc tccaactcca gaaggacctc ggcaaccctt 180  
 atcacatcat atcctggaac gcaaaggagg attgctgcga gtggttctgc tgcgttaagt 240  
 gtgacgagaa aacaaaccg 259

<210> 1073  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953920H1  
  
 <400> 1073  
  
 gtagttcttc atcatagtct taaacattaa accttagcaa aactcaacaa tgctagacat 60  
 caaaggctac ctctgtactct tcttcctatg gttcatatca accattctga tacgttccat 120  
 cttcaagaaa ccacagcgtc taagactccc accgggtcct ccaatttcaa tacccttgct 180  
 gggacacgcg ccatatctcc gttcactgct ccaccaagca ttgtacaagc tatcactgctg 240  
 ctatggaccc tt 252

<210> 1074  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953922H1  
  
 <400> 1074  
  
 aacaataaaa gaccatgtcg gtgaaggagt gcgagcacca caaggggaag aagaggaaga 60  
 tcttccggca agtgttctgg tgcttagtgg tgttcctttt catcgtgctg gtcacaattc 120  
 ttttgatatg ggcaatcctt agaccaccca aaccacctt cacgctccaa gacgtcaccg 180

tctacgcctt caacgccacc gtggcgaact tcctcacttc gaattttcag gtcacgctca 240  
tctcgcg 247

<210> 1075  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953926H1  
  
<400> 1075

ctagcacaca aaacttgcta tagcagtaag ctataactca tttgaggctc tgtgagaatt 60  
gagaaatggc taaagatggt gaggttcaag agcaaggagg agagtactct gccaaagact 120  
accatgaccc tcctccagca cctttgttcg acccagagga gctcacacag tggtccttct 180  
atagagccct catcgctgag ttcatagcaa cccttctctt cctttatgtc actgtgctca 240  
ccattattg 249

<210> 1076  
<211> 252  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953929H1  
  
<400> 1076

gaaaaaagtg ctatTTTTTTT acttcttttc ttgagacttt ctgtgctgtg ctgccatggg 60  
tgtgacacag ttgaacocca cttgctcaaa acctcgtctt cactcatctc agctctcttt 120  
tctatcaagg actcttctta gacatcgcca ctgcactttt gcgccacttc atagaactca 180  
acaagctagg atttcctggt ctggtgcacc aaatgaagtg cagggtgcaa ctgtgaaaac 240  
ccaggatccc aa 252

<210> 1077  
<211> 255  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953930H1  
  
<400> 1077

ctcagaaaga agagagagaa agggaagaaa gagaaagaac aaagaagggg aaaaataact 60  
gataactgag ataacaatac catagatata gagagatagt tccgagctcc aattcccaga 120  
aaataaaaaat taaaactttg cttcgctttt tctcttcatt gtttttcttc ctcttctacc 180  
cctttgatct catgcaatct ctctcatgg atccctttga tttgattcgc aaagggtttg 240  
gctgaagcta tctgg 255

<210> 1078  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953931H1

<400> 1078

ggttcgagaa ggaggctgct gagatgaaca agaggtcatt caagtatgcc tgggtgcttg 60  
acaagctcaa ggctgagcgc gaaagaggaa ttaccattga tattgctttg tggaagtttg 120  
aaaccaccaa gtactactgc acagtcacgc atgccccgg acatcgtgac tttatcaaga 180  
acatgattac tggtaacctcc caggctgatt gtgctgtcct tatcattgac tccaccactg 240  
gtgggttttga agctggg 257

<210> 1079  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953938H1

<400> 1079

gactatcctt atgcttctga tgggctagag atatgggatg ccatcaagtc ctgggtgcaa 60  
gaatatgtct cattctacta caagtcagat gaggaactcc aaaaagaccc tgaactccaa 120  
gcttggtgga aagaacttgt agaggtgggt catggtgatt tgaaagataa gccatgggtgg 180  
caaaagatgc aaactcgtga agagttgggt gaagcttccg ctatcctcat atggattgct 240  
tcagcc 246

<210> 1080  
<211> 244  
<212> DNA

<213> Glycine max

<223> Clone ID: 700953940H1

<400> 1080

gtctgtat ttttgcct acccttacga gagatgtcaa gttcaagggt tcttccttcc 60  
aaccaagggt aagtcacaaa ccatatataa ttgccttctt tgtgacgaaa gcattatagc 120  
caacgggttg tcaaccttca cccgccctac cgtttaagct tttagacagt gttggaattg 180  
gatatgcccc cagcctcata tcttcggcat cactcaaatt ctcaattaaa gataacaact 240  
gaga 244

<210> 1081

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700953944H1

<400> 1081

gttggttgga cagggttggtg aggtttcaac ttccaaaact ggcaagcatg gacacgcaaa 60  
gtgtcacttt gttgcaattg acatcttcac tgggaaaaag cttgaggata ttgtcccatc 120  
ttcccataac tgtgatgttc cccatgttaa tcgcattgac taccagctca ttgacatctc 180  
agaggatgga tttgtaagat ttcagttgca cttgtgtccc ttattcattc cccttttctt 240  
ttaagcta 248

<210> 1082

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700953946H1

<400> 1082

tgatcttctt gaagatctaa tatgtttcat tgatgaaact tgcgatgagg gtgccatcct 60  
tgtatttcta cctggaatgt ctgaaataaa ctatttacat gataagttgg tggcatcttc 120  
ccaatttggt gggccatctt ctgaatgggt tattcctttg cattcagcag tagcatcaag 180  
tgaacagaaa aggggtat tttt tacgtcctcc aggaaatata cgtaagggtcg ttatagcgac 240

aaatatagca g

251

<210> 1083  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953953H1

<400> 1083

tcacaacctt aaacctttct ttcttgtaaa ctttattgat tgattctgag aatagaacta 60  
agagggtata gacatggcta gcgcaattgc agcttctttt ttggttctgc ttctggcttt 120  
ccccactgta tttggagctg accatgaagt tggtgacact agtggatggg ccctcggagt 180  
taattacaac acctgggcct ctgggaaaac tttcacagtt ggtgacactt tgggtgttcaa 240  
gtatga 246

<210> 1084  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953958H1

<400> 1084

cgaaacaaaa ccccatcact gaactgagaa agaggctacc aacagacacc acctatttta 60  
tgcctttctt cttcttctct cgacaatggg ggataaacca atgagcattc atcgaaccgg 120  
gttcccatc tcgatcacca agctcctctt ctggctgctt atcctactca gcttcattgt 180  
gctcttcttc ttgggatctc ccccgctctc cgcttccct tcccaccgcc ggcgctcct 240  
ccgcgg 246

<210> 1085  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953961H1

<400> 1085

cgggatttat tcaggtaaac agtgaaatag caatgggtgc aaccatttcc ccagtttctg 60

gataccgaaa ctctcagttc gatatcagta tccttatctg gaaggatcca aaagagggac 120  
 actggtggat gcaatttggg aatgactatg tattggggta ttggccttct ttctgttct 180  
 catatttggc tgacagtgct tccatgattg agtggggagg tgaagttgtt aactctgagc 240  
 ctgatggtc 249

<210> 1086  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953967H1  
 <400> 1086

ttcttcttcg cgaaattcgt atgcgaagaa ggaggttaga attcacgctc ctgcattctc 60  
 agaccgttag gattccaatt gtgcctaaat atatcttgta ttctgcgaag aagaagctga 120  
 gagaggttga agatgggagg agatgatttt gattggaata ctgatgatga gcttgaaatt 180  
 gagaactata actcttcacg ttcgtgttta acccttccta atgggggatgc tggagaggca 240  
 agctcgtctg ca 252

<210> 1087  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953969H1  
 <400> 1087

gtcttctcga ggcttctccg aatcagctct acgcagctgc tgcattcgtg attttcacia 60  
 cgctgcttct tctctcaatt cgggtgttca agcgtgcgaa gtcaaact gttgtgttgg 120  
 ccgggctcag cgggagtgga aaaactgtta tcttctatca gcttagggat ggctctactc 180  
 atcagggtac tgttacatca atggagccta atgaaggcac ttttattctt cacaacgaga 240  
 aaacaag 247

<210> 1088  
 <211> 247  
 <212> DNA  
 <213> Glycine max

[illegible]

<210>	1089
<211>	251
<212>	DNA
<213>	Glycine max

```

<400>      1089
gggaaagaaa cctaatacaa tacccttttt ctcagaaatc acactctcac acccacttcc 60
cccaattccc attctctctg aattacgagg gttttcgaaa tcgaagagtc tctgatcgat 120
ttcgattcgg aaaaatggcg tcttcgagcg caaccggtgc tggatccacc gatccacag 180
ctgccagaag aaacaccaag cgaccaagt attcaaagtt tactcagcaa gaatttcag 240
cgtgtaagcc g                                     251

```

<210>	1090
<211>	253
<212>	DNA
<213>	Glycine max

<400>	1090	
ggagaatggt	ttgcctgttc	tacagagtta tggatttgct gcaatctctc cattttctca 60
cagactgagt	tttgacaact	tgcctatgga tattcaacac ctacgctgta aagtcaactt 120
ccaagcttta	acctttgttc	ctcatatcag agcacttgga gatgccctta tcagccgcct 180
tcgctatcct	gaaggctcag	ctggagaaat gggctccaac taccttcaag aggtcactgg 240
tgcaggtgct	agg	253

<210> 1091  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953985H1  
  
 <400> 1091  
  
 tgagaacgcc gttttgtctg agtttctctg ccaccaaaca cctccgtcaa atacaggcgc 60  
 ggccgtccag atcttgcac aagatggcgt caactaaaac ggtggagcac attgtcctgt 120  
 tcaaggtgaa ggaggaaacg gagccgtcaa aggtgagtga catgggtgaac ggactcggct 180  
 ctctgggtgtc gctggaccgc gttctccacc tcagcgtggg cccactcctc cgcaaccgat 240  
 cctc 244

<210> 1092  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953988H1  
  
 <400> 1092  
  
 gagaaaaaca gatagtgtgg gagagagaag agcggagag aaaatgacga ccaggttcaa 60  
 gaagaacagg aagaagagag gtcacgtcag cgccggacac ggccgtatcg gaaagcaccg 120  
 caagcatccc ggaggtcgcg gtaacgccgg tggcatgcat caccaccgta tcctcttcga 180  
 caagtaccat cctggtttct tcgggaaggt aggcattgag tacttccaca aacttcgcaa 240  
 caa 243

<210> 1093  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953992H1  
  
 <400> 1093  
  
 gctattgcaa gactcgtgct taaaaatgtc cagcagggag cagcaacaac atgctatgta 60  
 gcattgcacc cacaagtga ggaactagt ggcaagtatt tttcagccag taatgtggcc 120



aaaacaacct cacaggggac tgatgctgat ttggcaaaaa acctatggga tttcagcatg 180  
gatttgacca agtaaaaaac ccaattgtta tttgtcagca gagatagcat catgcactct 240  
tattaaa 247

<210> 1094  
<211> 256  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700953996H1  
<400> 1094

cttgaagga ccaatggcca cccctattgg aaaagggcat cgttcattaa atcttactct 60  
gagaaaagag ctcaatttgt atgccaatgt tcgaccttgc tacagtcttc caggctacaa 120  
aactcggtat gataatgtca atctaatac aattcgtgaa aatacgaag gcgagtacag 180  
tggaacttgaa catcaggttg tgagaggtgt agtagaaagt ctcaaaatca ttacacgtca 240  
agcaagttta agggta 256

<210> 1095  
<211> 261  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700954006H1  
<400> 1095

tctctcattc cccatttctt cacctccttc aaccgctgct aaattctagg gttccgaaat 60  
ggacgctggc ggaaagatca agaagggcgc cggaggtaga aagggcggcg gcccaaagaa 120  
gaagccggtt tcaaggtccg tcaaagccgg tctccaattc cccgtcggaa gaattggccg 180  
ttatttgaag aaaggaaggt acgctcagcg tgctcggtacc ggtgctcccg tatacttggc 240  
tgcagttctc gaatacctag c 261

<210> 1096  
<211> 252  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700954013H1

<400> 1096

gtcttataga gctcccaatc tcctacatcg cttgttaagt ttactcaaga acgtgcggcc 60  
aggatcagat ctacacact tccaactgcc agctgtgttt aacttcccaa aatctcaact 120  
tcaatgctat ggtgaatcag tgtactgcac atcttcaaac ttgctgagca aatgcaacaa 180  
tgggcagagt ccaactggaca gggtcacatc agtagtagca tggagcatat ctaccacacg 240  
ccccacatct tt 252

<210> 1097

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700954031H1

<400> 1097

cttctatatt acttcagggt ctttgagcga cagatagggt ccaataaata ctcaagtctt 60  
atcgtgttct ccatattaac ttcactactg cttgagggtc ttgctgtagc acttttaaaa 120  
gatcctacag caaacctagt cactcctgga ccatatggcc ttatatttgc ttcatttgta 180  
ccctttttct ttgacattcc agtttcaaca cggtttcgtg tgttttagctt cctcttctca 240  
gacaagtcac tcat 254

<210> 1098

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700954066H1

<400> 1098

ctcaggctct ggaattgttg atggattaaa attgaagggt ttacctcgtg gtaggggtct 60  
attactgctt gctgaaatga gctcagctgg taaccttgcc aaggagatt atacaacttc 120  
tgcagtaaaa attgctgagg atcattctga ctttgtaatt ggcttcatct cagtcaatcc 180  
tgcacatgag ccaggggcac caataaatcc ttctttcatt caggcaaccc ctggagttca 240  
aatggtaact ggtggcgatg ctt 263

<210> 1099

<211> 252  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954096H1  
  
 <400> 1099  
  
 gcttggaggc attgacaagc gtgttattga gagatttgag aaggaagctg ctgagatgaa 60  
 caagagggtct ttcaagtatg cctgggtgct tgataagctt aaggctgagc gtgaaagagg 120  
 aatcacaatt gatattgcct tgtggaagtt tgaaaccacc aagtactatt gcacagtcatt 180  
 tgatgccctt ggacacaggg atttcatcaa gaacatgatc actgggacat cccaagctga 240  
 ctgtgctgtt ct 252

<210> 1100  
 <211> 272  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954107H1  
  
 <400> 1100  
  
 gaaagaatga aggcattgca ggaattagtt cccagcatca ataagacgga cagagcggcg 60  
 atgcttgatg aaattgttga ctatgtgaag ttcctaaggc tccagggttaa ggtcctgagc 120  
 atgagtagac tgggaggagc tgggtgcagtt gctcagcttg ttgctgatgt tcccccttct 180  
 gcagtggagg gggatcagga catagaaggt gtatccaatg agcaagcctg ggacaagtgg 240  
 tccaatgatg gcacagaaca acaggtggct aa 272

<210> 1101  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954111H1  
  
 <400> 1101  
  
 gtcccccttct ctctctcaaa ctaaaaacta aaaccattt tcttctccaa aaccttcgac 60  
 tttcttttct ctaaccgaaa cgcgcttcgc agcatttctt ctccactctc tcacatctct 120  
 gacccattgc gctatattta cgactgtgt caaattcccc cataaaaccg gtattgattc 180

tccctcagat caaaatagag ttctgagagg tagcagtgtt actggcaatg aaaaatcttc 240  
 tgtagcttct attccgcact caa 263

<210> 1102  
 <211> 271  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954121H1  
 <400> 1102

cttcagcagc aaagggaaaa gcaaacagag tgtctaatacg aagatagaag aagagatggc 60  
 taaatctcca gaaactgaac ttcccgtcga agctttcggt tgggctgctt cagacacttc 120  
 tggcaccctt gcaccttttc atttctccag aagagaaaat ggcgttgatg acgtcactct 180  
 caagattctc ttctgcgggg ttgcccactc ggatctccac actctcaaaa acgactgggg 240  
 tttcaccact taccctgtcg ttctgggca t 271

<210> 1103  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954127H1  
 <400> 1103

gaggaacttc agcaccatct tcgtgggtct catggcgtgt tttgaggcct atggctttgc 60  
 ttcggggaga atgttttagcg gcggttatgt tgttattgtg tccaccgccg cggtcattct 120  
 cttctcgtg gcaacgctca cgtgggacgt ctgcgtaag gccacgtgtg cttttcacag 180  
 agaccacgt gacagccaag aggatgtgtg caaggaggt atctgttggc acggcgtcgc 240  
 gccgcatcc ccagcctctc agg 263

<210> 1104  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954128H1  
 <400> 1104

caaggctcta ggtgattata cgaggatgat caatgatttt tcgacccttc ctttggaggc 60  
gagggagggc aaggttggat catattggta ccatgaggat acaaatgcat tttttgatga 120  
tgtggaccat tacaggatga tcaaggctat gtgcaggctt tcgtgcaatg tatgtgacaa 180  
gattgaggat caaccacagg atgctgcttc aaggcggcga gcaaagtta ggaatatagg 240  
gcagttgaag ggtcatttat tcca 264

<210> 1105  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954130H1

<400> 1105

gagcattcac cattttcttg tggtttggtt tcctagagac actaagtact cccatggaac 60  
aaaacaacaa aagccttggt tcttctaaat tcttatgttt atgtttgttg atcaccttga 120  
tcagcattat tgttgctcca caagcggaag cagcacgagc atttttcgtg tttggcgatt 180  
cgcttgtaga caacgggaac aacaatttct tggccaccac ggcgcgtgcc gattcatatc 240  
cttatggcat tgattctgca tctcataga 269

<210> 1106  
<211> 275  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700954134H1

<400> 1106

gaaactcttt atatatttat tattgttact gacccaaaca aactcaacaa aaccatgatc 60  
ccaaacgntg aaatccctca ctgggacgcc gacggaggag gaccactctc tccgttcac 120  
tcttcttctt ccaangctga caagtgtcga ttattattct cctccgacc atttccgaat 180  
gttccagtna aaggtccgga tctgtccacg tggcaggtcc cangattgga cggagtgtcc 240  
ctacgcccac cctgccgaga aggctcgcng ccgtg 275

<210> 1107  
<211> 271

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954135H1  
 <400> 1107  
 aaggaacagg agggttcatt gagccgaaat ggctagcata tggtagagata atcaatggtc 60  
 gttatgcaat gttgggtgca gttgggtgcaa tagcacctga aattctaggc aaggctggtc 120  
 tgatccctca ggagacagca ctcccatggt tcagaacggg tgtgttccca cctgcaggaa 180  
 cctacaacta ctgggcagac tcctacacat tgttcgtggt tgagatggca ctgatgggat 240  
 ttgcagagca cagaagattc caagactggg c 271

<210> 1108  
 <211> 268  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954139H1  
 <400> 1108  
 gtttaacctc accaagaaca tcatctaccg cgccgcgttc gggtagagtt cccaagaagg 60  
 ccaggacgag ttcattaaaa tactgcagga gttctccaag ctctttggcg cgtttaatat 120  
 tgccgatttt ataccctatc tcgggtgcgt ggatccacaa ggtttgaact cgagactcgc 180  
 tagggcacgt ggcgcgctcg atagcttcat tgataagatc atcgacgagc acgtgcataa 240  
 gatgaagaat gataagagca gtgaaatt 268

<210> 1109  
 <211> 268  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954140H1  
 <400> 1109  
 tgaccggagt ggtcatgggt accaaggagg gtggatgcgg cgccggcaag cgggcgaggg 60  
 cgccgcgaac cgccgaggag gaagaagagc agcagaacca gctgtcgctg gtggcgcttc 120  
 tgttggcggc catcagaaaa tcgatgggtg cgtgcagggt ggacccaccc gacgatgtaa 180  
 tctccaccgt ccatcacatg gagatcggat ggccaaccaa cgtccagcac atcactcatg 240

tcaccttcga ccgcttcaac ggcttcct

268

<210> 1110

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700954147H1

<400> 1110

gtggggcagg cctcagacat cgaaacctga gtcagatggc tctgatcaag caaggcagca 60

ggcttctgtg gctcatagtg gattgttgcc tcgggcagtg atatcacagc agcagaacca 120

ggaccaaaca caaggaatgg ttactataa caatccacca ggaccaccac ctcttcagca 180

ggaaagaagc tactacccat caatggatcc tcaaagaatg ggtgctcttg ttgcatctca 240

agatggctct cctgggtgggc cttctggggtc agggga 276

<210> 1111

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700954152H1

<400> 1111

ctctttcttc ttttttagct atccctctct tgaaaaatct agatctcggt cttccttgat 60

ctacgttacg ctttttagtga ccggatctgt atggatctga accagatcta cagccgatg 120

gtggttttgg cctggtcttt catagatctg atgcatggag gtcagatct actgtacaga 180

gatactgtag ataatcgatg agaagaacgc agatccagcc gttccgctt gttcgatcgc 240

tacagacgct tgtatcggat tattcat 267

<210> 1112

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700954153H1

<400> 1112

cgaaatagtt gagcgggaaa taagagggtt caatacgggt gaagaggcca taaaacagaa 60

gaaactgttc atcctggact accacgattt gttgttgcca ttagtaaagg atgtgagaga 120  
 acttgaaggc acaacgctat atggatcaag ggcattgttc ttcctaaccc gcgaaggcac 180  
 attgagacct ctggctattg agctgactcg gccaccaatg gacggaaaac cgcaatggaa 240  
 ggaagtcttc acgccttgct ggcact 266

<210> 1113  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954154H1  
 <400> 1113

catcaaactc tctttccaga acttggtcca taactgacaa cctgatcttc atgaatttga 60  
 gaagtattgc cacaccact gtttctgtga aagcgggaag caacaacaat ttccttttct 120  
 ggattttggt ttgcttcttg ctaccaagtt ttctgggagc tcctgaagta tatgctcatt 180  
 tccaattgat aaagctcatt tgggggtgtga tcttttggca aggcacaccc atttgtggtg 240  
 tcattttctg aagtttcctt gttttt 266

<210> 1114  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954155H1  
 <400> 1114

cgttcgacga ggattttgaa gaccgttggg ttgtgtctca gaaagatgag tacagtgggtg 60  
 tctggaaaca tgccaagagt gagggacatg atgattatgg gcttcttgtc agtgagaaag 120  
 caaggaaata tgctatagta aaagaacttg atgaggccgt gagtctcaag gatgaaacag 180  
 ttgttcttca gtttgaaact cggcttcaga atggccttga gtgtgggtgg gcatatctaa 240  
 aatatctccg accacaggag gctgg 265

<210> 1115  
 <211> 272  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700954160H1

<400> 1115

agtaactcca actccaagtc acattggtga caaagttaga aacaaggaga aagaaagaag 60  
atggcaggaa agaaaatccc agatgtgttg ctgaattcag gacacaaaat gccagttata 120  
ggcatgggaa cttcagtggga gaatcgcca tcaaatgaga cccttgcttc tatctatgtt 180  
gaagccattg aggtgggtta ccgtcatttt gacactgctg cagtgtatgg aacagaggaa 240  
gccataggcc tagccgtggc caaagccata ga 272

<210> 1116

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 700954161H1

<400> 1116

ctgagcttcc ctaagaatgg gatgagtaat atgaaattct ggagtgtttt aggctccac 60  
atgatatccc aaagccagtc tggcgctacc caatgtcata catcagtttc cacttctggg 120  
cactacaggg tcagtaccag aacgatttgc gcggtttgat attcgacaac cagacaccag 180  
accttccaaa gatagcgggt gaatacatct tggaaaaagt gttccaaatt gatgtcaaca 240  
gatcaaagtg gataaacttg agtgtgatct tca 273

<210> 1117

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 700954164H1

<400> 1117

cgtaaacta aacgttggtt ccactttatt ggtgtgaagc acttgggaca aagcggttag 60  
cttcagaaga gttggtttat gattgggaca acaagagatt gaatatagga actacaaatg 120  
atcagcatca aatatataca agttagagc aagtggtagg gacagggtga gatccaaaac 180  
ctggactctt cccctcttat ccagcatga actcaactac agctccaagt ttgccattgg 240  
ccacatggct tccacctcaa gcttctgcac ctgccc 276

<210> 1118  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954168H1

<400> 1118

aaataattat ttttaattttg taatctcatt gtttggttct ggttctcagg aatggtagat 60  
 ttgaggtgaa gacgttcac attggtcagg tcccgatctc acgatgggga agtcaccagg 120  
 aaaatggatc aaaactgtac tggtcgggaa agtcatctaa atcaaattt tcaaaaggca 180  
 gagagaagct tgtaaatcaa aaaggagtag tagttacctc caaggtgcca gaaactgggt 240  
 tggctttaga accaacctcc gatact 266

<210> 1119  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954176H1

<400> 1119

ctaatttctc caacatttcc ccctttttct aattaatcag atctgcaaaa ccctaatttc 60  
 cctaacccta acgaaacccc caaatccaat ggcttcgatt caacgcccgg cgagttcggg 120  
 atcgtcggag ggaggagatc cgggtgatgta cgagaggaag aggaagcgta tggagtcgaa 180  
 ccgcgagtcc gcccggcgat cgcggatgaa gaagcagaag cagctcgaag acctaaccga 240  
 cgaagtgagc cgattggaag gcgagaa 267

<210> 1120  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954178H1

<400> 1120

gttcatcaa cgacatcttc gagaagcttg cccaggaatc ttctagactt gcccgtaca 60  
 acaagaaacc caccatcact tcgagggaaa ttcagaccgc ggtcaggctt gtgctgcccg 120

gtgaattggc taagcacgcc gtctctgagg gtaccaaggc cgtcaccaag tttactagct 180  
 cttaaactgt tgtttatggg cttgttgac gcccaagtct gttctatgta tctggacacc 240  
 tatgttcaga ttttaatcaa ttgtaggggt gg 272

<210> 1121  
 <211> 272  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954179H1  
 <400> 1121

aaaattgttc tctcaccgtg aaagagagag agaggtagg ctatggctga tgagagcgtt 60  
 gttgagtcct cagtgaagag gcagagagat gatggtgaag aaaatggtgt ctctgtttcc 120  
 atggacgcgg aggggtggcaa agaccctctt agtaacggtt tatcatctgt gattcctggg 180  
 tggttctctg aaatcagtgc aatgtggcct ggagaggctc actccttgaa ggtggaaaag 240  
 attttgtttc aaggaaagtc agaataccaa aa 272

<210> 1122  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954184H1  
 <400> 1122

gagcaaagaa accagtcctc ctctccatgg catattgata tgtatatatg ttggtagtta 60  
 tgtatgcatg tatatattgg gtgagcaata gctagctagc attatattaa aaatgaaact 120  
 ggctaccctt aaaataatta gaaagatccc aagccctctg aagttggtat ccagaagctc 180  
 aagttcagca gcaaagaagc cactattggg gtcaggatca ggacaaccgt cgtcgctcgtc 240  
 ggatggaagt agcaagcaac agg 263

<210> 1123  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954185H1

<400> 1123

gaaaggcgat ggacctcgga acctatgaag tgccagaagg agtggacatt ctaggaagat 60  
acgatgcaga gtttgcaaaa atcctcacia aagacgcttt gaaattcggt gctgagctgc 120  
aacgtgagtt caggagcgat atcaagcatg cattagagag cagaagagag gcaaagaaga 180  
agtacaatga agggactctt ccgggggtttg atcctgccac cagtcacatt agagaccagg 240  
agtggctgtg tgcacctgtt cca 263

<210> 1124

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700954191H1

<400> 1124

tttcaaggag agagagaaaa tatagcacgc cgaaaaacac gctcccactt gtaacttagt 60  
ataacgacct ccaacaactg atacatacaa tctcctttcc ttcgtgttgg acaacaacia 120  
tgggcgcgaa atctagtctg agttcgacia caaacgtggt gactctgaag gcggcgtggg 180  
ttctcccgca gcgcacgcag aacatccgtg aggtgtacga ggtggggcgg aagttggggc 240  
aggggtcaatt cgggactacc ttcgag 266

<210> 1125

<211> 271

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700954194H1

<400> 1125

caactacaaa ggttgctgta ggagataaga tattgaagta gtgctaagt cctaacacct 60  
gcagtgaaca atggcctctg catcagcatc tcttctcaag tcttcacttg tncctgacia 120  
gtctgagtgg gtgaaggac aaacacttcg ccaaccttct gctgcatcag ttgtgagatg 180  
caacccacc accccatcag gcctcaccat cagagctggt tcctatgctg atgagctcgt 240  
taagaccgcg aaaacagtgg cttcaccagg g 271

<210> 1126  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954195H1

<400> 1126

taatttttct acaggagcat atcctcactg gtggatcatgg actcatgggtg caaggatatg 60  
atcctgttgt aaaagctctt gcaaagatgc ttgatatacg cttgaaccac aggtttgcct 120  
gtataattta ttgcacgact tagctacatg atttgatgca taatcatttt tcataattta 180  
ttgtggaatt aattattatc atttttcgtc acttttatca acaagaacgc ataccaattt 240  
tttctgttac ctctctctct cataggggta g 271

<210> 1127  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954196H1

<400> 1127

tctcatcact acctctgcat ttttctctcg ctctctgcct tccatcacc tcgccatttc 60  
ccttcccaag atagtagaag atggcagacg ctgaggatat tcaacctctt gtttgtgaca 120  
atggaacagg aatgggtaag gctgggtttg ctggagatga tgccccacgt gctgtgtttc 180  
ccagcattgt aggtcgtcct cgtcacactg gtgtgatggg tggcatgggc caaaaagatg 240  
catatgttgg tgatgaggca cagtctaaga g 271

<210> 1128  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954211H1

<400> 1128

ggttcttcca tttgactctt gttctgaacg acttttcaag agaatcaaac catggcagtg 60  
aaagtatacg gtccccactg tgcttccacc aagcgggtgc tggtttgtct ggttgagaag 120

gaagtcgaat ttgaggttgt ccctgttgat gtcactaagg gggagcagaa ggatcctgag 180  
 tacctcaaac tacagccatt tggagttggt cctgtcatca aagatggaga ttatacctta 240  
 tatggttaca cttt 254

<210> 1129  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954212H1  
 <400> 1129

ctgcacatga tgtatcagat attctgggtca caagagcaac tacagtgggt gatattattc 60  
 aaaatgtaat agacaatctt catgcgacta aggacatata agtagctagt ttctatcttc 120  
 cagacgatat caagggagcc attgaaaagg ctgaaaaatt ttccactcaa actgattata 180  
 ttaagaacca atcagaggaa acagcaagaa tctcaatgga attcctgggc gctataagtg 240  
 aaagtcttat catt 254

<210> 1130  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954219H1  
 <400> 1130

gagagtcgag agaggagagg agagaaatth gaagaaacag caaaggaaaa tttccaattt 60  
 tgatgtcttc tcttttactg tatgtaatgt gagtcatgtc acttcccaac acctaccact 120  
 gataattcca tgccttcttc ttattaacct caccacttgc ctctcagaat ttcattgtgc 180  
 tcatcttggt ttctccactt ccctccaact gcaccacaac agggcctggt tagtgccatt 240  
 gctgtgacct cctcct 256

<210> 1131  
 <211> 233  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954220H1

<400> 1131

ggacaatata agggacgtta ttccttttcc tcgaacacct ggctcggctg agttttagac 60  
cttgagata taagcacttc acttcacatt catttgtacg attcaaactg tattttaggc 120  
aataaagtat cttgagtctt tccttttctt ctttttggtt tgaaaaagaa aactgcttgc 180  
ttctaaatga agtatttata cattatgaat ttagtagaat ggaattttga ggc 233

<210> 1132

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700954222H1

<400> 1132

tggatactta aatgatattt tggccgaaaa tgcaattgtg gatgatactg atctgaatcc 60  
tttggagttt ttagcctccc tgttccttgg ttttgagca gaaagccttg cagaagctta 120  
ctttgctaag agatgtgatt tacatctgac cactgagatg ctcaatcagt tagagcttca 180  
agttgatggg ggtttcaatc agaatctgaa ttcaaagact ttgtctgctc ccaatctcag 240  
tgcaatggac ta 252

<210> 1133

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700954223H1

<400> 1133

catcaacttg tcattctata attgaattgt gtatgtaaca aaaaaataa aattcagaag 60  
agaagagggt tgtgagtgtg actccgctga gggatatgac gccagagagg gttttcgga 120  
agatgggaca tttgcagaag ttgttgatc gggttttggc ttgtaggcct actgggttgg 180  
ctaagaatag caggatgggt ttgattgcgc tgtatcctgt ggttaaggag agttttcagt 240  
tgtatgctga tat 253

<210> 1134

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700954234H1

<400> 1134

tagggtttct tctccttca aacaccatcg cagattcttc gtcctttcc attgattcaa 60  
aacatggcta ccaccaccac tctgctaga tctttctcc aagtcgccgc tacagaggag 120  
gccgcgccgc ctctcagagt cgctcagatt gaaggactgg ttattctgaa gataattaag 180  
cattgtaagg accactcgcc ttctttagtc actggacaac ttcttgggtt ggatgttggc 240  
agtgttcttg aagtta 256

<210> 1135

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700954235H1

<400> 1135

tatttttttg gatatttct gtatctgctg tgtctgctg tccatttca ttccacctct 60  
ctttcctaac cccaacgcc acgccactgt cactttctcc accaatgtgc accaatagca 120  
ataataagaa tcattcttca ctctccatt aaaattaaaa tccaatctaa tctgggttcc 180  
cctttctccc atcagaggac aaagcttcca actttgcggg attcgatttt gttgtttcag 240  
tgctgtgatg ggga 254

<210> 1136

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700954252H1

<400> 1136

gtcatcggtg ggatctccat acgccggatc tgctaaaata cgcttgatcc atatgggcct 60  
cctcgaccac ttgtgggacg acaccgtcgc cggccaagg ccggaaaacg gtctcgga 120  
gctccgaaaa caccacacct tcactttccg acctagctcc ggcaaggaaa cggagggcgg 180  
gagcgtgaga tcgtacggag acgaatcgtc ggaggaagcg acgagagtga cgcgtagtat 240



catgatcgtg a

251

<210> 1137  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954255H1  
  
<400> 1137

gcttctggtg atctcgtttt cttacagtgc tctcttcccc ctttctctct cctctttatc 60  
tctctcttcc attgctcctc cacaagcaac gccgcgcgag gtcaattttc gcaatcgcca 120  
tgactgtgat gactcctgct cccattgacc agcagcagga ggacgaggag atgcttgtcc 180  
cgcacacgga tttggctgag aataatcacc aacctatgga agttgtggct caacctgatg 240  
ctgccaaca 249

<210> 1138  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954258H1  
  
<400> 1138

cacattccat caccaaagca gtgtagtttt ccgttgtcac tgccatggct ttcaaaaaag 60  
tactattcca atatttcact ctggctttgt gtcttgtctt cgcattttgt gcttttgagg 120  
gcaatgctcg cactctcgaa gatgctccaa tgcgtgagag gcatgagcag tggatggcta 180  
tacatggaaa agtctacacg cactcttatg agaaagagca gaaataccag acattcaaag 240  
aaaacgtg 248

<210> 1139  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954261H1  
  
<400> 1139

gtttttgcct tcccatagga aaagcaaaga ttgagaggga aggaaaagat gtgactatta 60

cagcctattc gaaaatgggt ggctttgctc tcaaggctgc tgagacactg gcaaaggaag 120  
 gaatcagtgc tgaggtcatt aatttgcggt caatccggcc acttgatcga tccacaatca 180  
 atacttctgt caggaaaacc aacaggctgg tgacagttga agaagggttt cctcagcatg 240  
 gcgttggc 248

<210> 1140  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954263H1

<400> 1140

ctctccctct cccacgcgcc accgccagaa agaggatttt ccatttctgc cctccgattg 60  
 catgccgctc atccatggat cagtcttctg gcctgaatct ggaagatctg aaatgggacc 120  
 attccttctg cagagaattg cccggcgatc cccgccgcga ctcttttccc cgtgaggttc 180  
 tgcattgctt ttacacccaa gtctctcctt ctgttcaagt acacaatccc caactttag 240  
 ccttctcc 248

<210> 1141  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954265H1

<400> 1141

cagacattgt atgagaggat acaatcagca aagataaact catcatctgc tgataggaaa 60  
 tggaaggctt caagtgatac aagctccact gatcaatatg acaggttcat gaatgccctt 120  
 tacagtttgc tggatgggtc ttctgataat aaaaaatttg aggatgattg tcgagctata 180  
 attggaattc aatcatatgt cttattcaca ttagacaagc tgatatataa acttggttaa 240  
 cagcttcaag ct 252

<210> 1142  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954271H1

<400> 1142

cgcggttca acctttagt tattctctt cttcttttt agctatccct ctcttgaaaa 60  
atctagatct cgttcttctt tgatctacgt tacgctttta gtgaccggat ctgtatggat 120  
ctgaaccaga tctacacgcc gatgggtggt ttggcctggt ctttcataga tctgatgcat 180  
ggaggctcag atctactgta cagagggtgtg cgattcatgt tcgtctctct tttggaatct 240  
gtttc 245

<210> 1143

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700954272H1

<400> 1143

gcgtgattga gaccatttac cttgccgtat ttatcactta ctgccccaaag aaagctagga 60  
tgtcgacatt gaggatgatt gttttgttaa attttggggg attttgcacg attgttctct 120  
taaccacct actagcagaa ggagagggcc gtgtcaagct tctaggatgg atttgcgtag 180  
tatttgctac tagtgttttt gcagcacctt taagcattat taggggtggt attcggacca 240  
aaagcg 246

<210> 1144

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700954276H1

<400> 1144

gcaaaaagaa agaatcccag gcgaggagaa agatggaggg gaaggagcag gatgtgtcgt 60  
tgggagcgaa caagttcccc gagagacagc cgattgggac ggcggcgag agccaagacg 120  
acggcaagga ctaccaggag ccggcgccgg cgccgctggt tgacccgacg gagtttacgt 180  
catggtcgtt ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca 240  
tcac 244

<210> 1145  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954277H1  
  
 <400> 1145  
  
 ctttctcatc atcgaagccc gtcgcgagaa gaagctgctt cgtcgcggtt cccaaaatcg 60  
 cgtttcccaa gctccgtttc aaaccgctcg ctatggctac gctcggcgct cgcattggtg 120  
 ccgccgcacc caccgtcact ccgccggcct cgctcgactt cgaaacctcc gttttcaaga 180  
 aggagaagat taacctcgct ggacacgacg agtacatcgt gaaaggaggg agggatttgt 240  
 tccctc 246

<210> 1146  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954278H1  
  
 <400> 1146  
  
 ccaaggcaag ggtgccaatg ccaatgctct tagggatggt gtctccatgg gaactgggaa 60  
 gtacaccatg ggcaatgatt tgtggatggt accagacaga gtgaaatact tgggaccctt 120  
 ctcagctcag accccttcat acttgaaagg agaattccct ggggattatg gatgggacac 180  
 tgctggctta tctgctgacc cagaagcatt tgccaagaac agggctcttg aggtgatcca 240  
 tgg 243

<210> 1147  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954279H1  
  
 <400> 1147  
  
 gccggacttg gagatgttcg gcgagttctc cgtggatgtc agcaccggcg aggaatcgtc 60  
 ggagatgaac tcgtcggcta aaagcagcaa acttgagaac gatcagaatg tcacgccac 120

tacttcaaag aaagaagagg aagaagataa aacttcttgc aatgcttctg gtcaagactt 180  
 ggggtcaaac cgtggagagg agattgtgag cgagagagat gaatccgtgg tggatgaatcc 240  
 agcac 245

<210> 1148  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954283H1  
 <400> 1148

gataaattca aaggcttggt tctctaaaca ttcgcagtgg ccggccaaga gctttcgcct 60  
 tcgccaggct tgagagctaa tgctgctatt atccttcctt ggatgtctga gagttgggtc 120  
 attgtgctgt gaattgatta ttttggtttg tatttcattt aatttttata agttttgtat 180  
 acaagttttt ctcaccaatt ttttattttg gcattttgtc acattgatcc acgccaatga 240  
 tgata 245

<210> 1149  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954285H1  
 <400> 1149

tgaagctgga atttcaaagg atggacagac tcgtgaacat gctctgcttt cattcacct 60  
 tgggtgtgaaa cagatgattt gttgctgtaa caagatggat gctactacac caaagtactc 120  
 caaggccagg tatgatgaaa ttgtgaagga agtttcttcc tatttgaaga aagtaggata 180  
 caaccctgac aagattcctt ttgttcctat atctgggttt gagggagaca acatgattga 240  
 gaggt 245

<210> 1150  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954286H1

<400> 1150  
gattcttccc acaattaggc ttacaatgaa ctttgtaaga aaaagctttg ctggtgggtg 60  
tctcacaaca agtgatcata acatggaaat gtttttgatg aaataataaa aataataggt 120  
gagataatga cagatattaa atgaaaaata aattaatatt caaaataatt aaatatcttc 180  
tataagggat tttcaaagggt gtctcacttt ctagctgcta agcaaaacta aaactagttt 240  
ctact 245

<210> 1151  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954292H1

<400> 1151  
cgctctgttt ctgtctctgt gtttgaggct gaggattccg aacgagcgac cttcttcggt 60  
tctcgcaaag ttttaagtcac catgggtaag gaaaagactc acatcaacat tgcgtcatt 120  
ggacatgtcg actctgggaa gtcaactacc actgggcatt tgatctacaa gcttggaggt 180  
attgacaagc gtgtgattga gaggttcgag aaggaggctg ctgagatgaa caagagggtca 240  
tt 242

<210> 1152  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954293H1

<400> 1152  
ctgggcctca agaccaattht aaaaacagtc attgcagaga ctctcagag aatgcttcta 60  
acaatgatct agctgatgct ggagatcagg tgcttgaagc ctctcaatga agaaaaaggt 120  
tccccagaaa ttggagatat gcaaagtgtc tctgttattg tcagctgtct ggatcataat 180  
caaggcaacc gttaaagtct atcatcatat aatcctgaac agctgtttcg catgtgcatg 240  
tta 243

<210> 1153

<211> 268  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954309H1  
  
 <400> 1153  
  
 ggggcacaaa tacatatggt atgcgctacc cgggtatgcc attggcctgg taactgcttt 60  
 ggctgctggt gtcttgactc actcacctca acctgcactt ctttatctgg tgccttctac 120  
 tttgggacct gtagttgtga tctcttggat gaaaaggga ctacttgagt tgtgggaagg 180  
 aaacacccca aatctcaatg ataaagatcg cgaaatagaa gtttagtcta gtgacagggtg 240  
 gtttatagcc aaacagaaag ctgtaaata 268

<210> 1154  
 <211> 266  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954337H1  
  
 <400> 1154  
  
 caaataaagc acagaacagt tgaagtgaat ggcataaaaa tgcattgttc agagaaagga 60  
 gagggccag tgggtgtgtt cctccacggc ttccctgagc tctggtactc atggcgccat 120  
 cagattctct ctctcagctc cctcggctac cgcgcgctcg ctcccgatct cctgggctac 180  
 ggtgacaccg aagcaccacc ttcaatcagc agctacaact gcttccacat agtgggtgat 240  
 ctggttgcgc ttattgactc tctggg 266

<210> 1155  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954354H1  
  
 <400> 1155  
  
 agcatctgtg gcttggggaa aataaactct ctggcaacat ccctgatttg agtggactga 60  
 aggagttaga aactttgcat ttggagaaga acaactttga aggaccactt cctccgtaa 120  
 taaagaaact tccaaaatta cgtgatattg attcagattt tgagaataag cctccaaaca 180

ctaatacaaaa tgaatagaag tgaaagtagt acaagtgggt ctagagattc atcagtgata 240  
aagagcacaa ggccattaca aat 263

<210> 1156  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954429H1

<400> 1156

ctcaaaatca aaatttataaa tacaacaac ctccatctcc accgttaaaa tattccatca 60  
aacggcccag cgccttctga ggacaaagcg agggacaaca cgtgaaccgt ggagtctcac 120  
tataaaaaatc tcgctcacta actcttggtc ttccaaaacc aattctctgc actcttcac 180  
aagctccgct ccaacacagg ggaaaatgag ggagatcctt cacgtgcagg gagggcaatg 240  
cggaacca 249

<210> 1157  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954444H1

<400> 1157

tgcaggctcg aaaatgctcg cctgagagaa gagattgata ggatatctgc cattgctgca 60  
aagtatgttg ggaagcctgt ggtgagctat ccacttggtt ctccttcac tggtcctcct 120  
cgtccactag aacttggggt tagtggtggt tttggtggcc aacctggagg cattggagg 180  
gacatgtatg gtggagctgc aggagatctc taaggtcaat aagtggacct atgaagctga 240  
taag 244

<210> 1158  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954458H1

<400> 1158



cggcgtaaaa gaaaccgtct gaaacgctcc tctcttttcc gttctctctc tctgtggcac 60  
 ttgatttcgt caaaaggcaa agggatgtgt tcccagatga atgatgttg tttgtatttg 120  
 ctgatgcaat tgggtggttat gttggtttta gaagctaaga actggtgcta ctacttcaca 180  
 atgggtgctg cttgttgtgt tgctgccaga gacaaaacta tacaaagtgg atcaaccagt 240  
 gaca 244

<210> 1159  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954461H1

<400> 1159

tccaattgaa attttaaaaa tgactgggat aaacttaaga attcaattat tgaaattgaa 60  
 taagtaaaca atttaattgg attggtcgaa tggatatcaa aaaatggagt actaactccc 120  
 atttcttatt tattattgaa ttaaccgatc aacttgcttt gttatcgaa atttcttttt 180  
 gatttcaaaa attttccgga aaaaatttga atctattttt atatgcgaat caatcctact 240  
 acttc 245

<210> 1160  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954488H1

<400> 1160

gtcaattcct gaatgccaga aaaagcttcc aggtgctttt actggtgggg agcctttacc 60  
 tgaggctgta ctgtggcttc tattgacagg aaagatacca agcaaagcgc aagttgactc 120  
 attatccaag gaattgcgaa gtcgtgcaac tatcccagat tatgcttata aggcaattga 180  
 tgcattgcct gtttctgctc atccaatgac tcaattcaca actggtgtca tggcccttca 240  
 ggtg 244

<210> 1161  
 <211> 241  
 <212> DNA

<213> Glycine max

<223> Clone ID: 700954490H1

<400> 1161

atcggagcga agttctggga ggtggtgtgc gcggagacgg gatcgattcc acggggaggt 60  
accaggggga caacgagttg caactcgagc gagtcaacgt ctattacaat gaagcgagtt 120  
gcggaaggtt cgtgccgagg gcggtgctca tggatctaga gccagggacc atggacagcg 180  
tcagatctgg tccctacggt cagattttcc gacctgataa cttcgtcttc ggccagtccg 240  
g 241

<210> 1162

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700954493H1

<400> 1162

gcgttggtac tgaattcctt aatcgagtcc agtattcata atctttgagt tgatatgggc 60  
aactggagca gtgaacgtca tcaaaccact caacaaagtg atctcggtgc agttttgcgt 120  
gatggaaaag aagtacttct tcaagcattc aactgggagt ccaacaaata caactgggtg 180  
aataatttag aaggcaaagt ttctgacata gctaaagcag gatttacttc agtctggttg 240  
cca 243

<210> 1163

<211> 313

<212> DNA

<213> Glycine max

<223> Clone ID: 700954511H1

<400> 1163

agaaactaca attctcactg aaagaaagtt gctaactctt ggcaccagtt atcagcttaa 60  
catagttgat aacaccaaag gcacaacaac attgagggaa tgaggcttgt catatcagct 120  
gtatgtgtta ttgtgctatt ttcttatgct gctgcgtatg atcctttgga tccaaatgga 180  
aacataacga tcaaatggga tggtgtgtca tggacaccag atggctatgt agccgtggta 240

acaatgagca atttccaaat gtttcggcac atcatgaatc ctggatggac cttgggatgg 300  
acagggcaaa gaa 313

<210> 1164  
<211> 318  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954530H1  
  
<400> 1164

tgtgtatcca attccaaatt cacccgtaaa ataccttctt ttgtctcacc agccatatgt 60  
gtatgatgga aggagatgag aatattcaag catcaacaaa gggaaaaaat gtggaaagct 120  
tcaccagctt ggaggcacca aggaagaaaa gcaagaagat agaaaacaag aggaggttta 180  
gtgatgaaca gataagatca ctagaatgca tatttgagtc agagtcaaag cttgagccaa 240  
ggaagaagat gcaactggca agagtcttgg gccttcagcc tcgccaagtt gccatatggt 300  
tcctaaaacag aaggggcaa 318

<210> 1165  
<211> 258  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954603H1  
  
<400> 1165

cgcactttgc gttttctgcg tcatctccga ttccccgaca atggccaccc aaatgagcaa 60  
gaagagaaaag ttcgtagctg atggagtgtt cttcgctgaa ctgaacgagg ttctgacaag 120  
ggagttagcc gaggacggat actccggcgt ggaagttagg gttacgccga tgcgcaccca 180  
aatcatcatc agagccacca gaacccaagc cgttctcggt gagaagggaa ggagaatcag 240  
ggaacttacc tcggtggt 258

<210> 1166  
<211> 255  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954604H1

<400> 1166  
gaaatgggta tgcagaagtg gctgaaacat aggttcctca cacctattag actggccttt 60  
gcttacatca aagtcttggtg tctctttggt tttttctctt gggttgatga aaatgggtgac 120  
aaccagcat ggaaagccat tggatatgag gtaccagctg atgaaaactt gaccaatgcc 180  
tccaaaacta ggccccttga aaaggggatt atagaaacca tgaatgaatc tgactccgct 240  
cttcaacaat ctctt 255

<210> 1167  
<211> 204  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954609H1

<400> 1167  
tgacatctgg tagagatcca ggaattatcc ccagaaatgc tcaccacct gaattagatg 60  
aaccattaga cataaacaca ccatccatgg aatgggtaaa taatagggcc cctaattctta 120  
agctgcccag agtgaaagat gttctagtca atggccacac agtgaagggtg aaattttgtg 180  
atacttgctt gttgtatcgt ccac 204

<210> 1168  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954610H1

<400> 1168  
aaaatcttct gtgcaaccag aaaaaaacgg accttgccct cagtctcttt tttccatcat 60  
cacttcatta aacattattc actctctttc tctgtctcta gtttttacia catggctact 120  
gcggttaactg ctgcagtgtc ctttccagcc accaagtcca cttctctttc aagcagaacc 180  
tctatcactg cccagatag aattgtcttc aagaagggtt cgttgcaata cagagatggt 240  
tcaaccagtg g 251

<210> 1169  
<211> 216  
<212> DNA

<213> Glycine max

<223> Clone ID: 700954614H1

<400> 1169

tttccattat actaaatgca atcatgcatg ttttaacttt taacaatgct gctgtgaagt 60  
gcaaactaga agaaaatc atcttatctg agtcgcaatt tcaattgcag caaggggttag 120  
tttttaaaat tgcattggcc atgtatccaa gatatcattt ttcttgccaa gtcagggcag 180  
tataggaaat tctagtccac aagctgttat atgacc 216

<210> 1170

<211> 203

<212> DNA

<213> Glycine max

<223> Clone ID: 700954615H1

<400> 1170

caaaatgttt cgtttcgagc aggaaaagat ccgaaaacga atttgattcg taaagttaat 60  
ttcttttoga caatcaaata gtttccagct tggtgggtgt tgccatggcc gacgctctct 120  
cgttgattcc ggcagccgtg cttcgcaacc ttgctgacaa gctctacgag aagcgcaaaa 180  
atgctgctct tgatattgag ggg 203

<210> 1171

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700954617H1

<400> 1171

cagaatatgg agactgttct tttcaatcac tccccacctt tggaattcaa gggtttgagc 60  
aaggaggagg aagactcatt gctagggcaa gtggaaatat ggaggtacat gacatgcttc 120  
acggactccg tggccttgaa agctgtcata gagcttcgta tagcggacat actagaccgt 180  
tatggtaaac cactatcctt gtcgcaaatt gtggagaaca tagaagacgc accctcccca 240  
gatgcctctc ttctccaga 259

<210> 1172

<211> 256  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954620H1  
  
 <400> 1172  
  
 ggaatctctt attccctctt tcctttcatt acccaataaa atcgtagaaa tccaatccca 60  
 tctctcatga acaatcaacc aagaaaacag tgagcacagt tcagttgcac accttctctg 120  
 tgcttcttct tcgatgttca attacaataa caccaactcg cttcatgaaa caccctcctc 180  
 caatttcgcc ctgtcacaat cgcctcactc atgcattggc cactgtcaca taaccgcgat 240  
 cgctggatac gacacc 256

<210> 1173  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954623H1  
  
 <400> 1173  
  
 atgaacgacc cttcattagt tctagaaagg ttttgatgga cttggggcca cctataagca 60  
 aggaagtcca gcttatttct tttcactccg tgtcaaaagg ttattatggt gaatgtggac 120  
 agcgaggtgg atattttgaa atgaccaaca ttctccaga gacagttgat gagatctaca 180  
 aggttgcac aatatcactt agtccaaatg ttccagcaca aatatttatg ggagttatgc 240  
 tccatccacc tca 253

<210> 1174  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954626H1  
  
 <400> 1174  
  
 ctatgttaca aaaggttact ttgatgaacc atgcaacatt ggattttccg cagactgtca 60  
 taaccatcct cagttttcat taccttcaaa ctactttggg aactgtttga tccctctcct 120  
 cacaacccta aagaggggtg agttggtggg acaaaatggg attggtgcag ctgcaaatgc 180

cattgaaagg aagattagag atttcaagag tgatgctttg agattggctg aaacaacgat 240  
gtcagatatt 250

<210> 1175  
<211> 202  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954628H1  
  
<400> 1175

ctgagtgcc gcaatttgct gcccatgaag gccaggaag ggaggactac tgatgcatac 60  
tgtgtggcca agtatggcaa caaatgggtt cgaaccagaa ctctgcttga tactctctcc 120  
cctcgatgga atgagcaata tacctgggag gttcatgac cgtgcactgt catcacagtt 180  
gggggtttttg acaaccacca ca 202

<210> 1176  
<211> 254  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954632H1  
  
<400> 1176

gcattacatt acattagatt ggtggcaaag caatggcatc gtcactacaa gcagcagcta 60  
ctttcatgca acccaccaag tttttgcagc taaagtctac tcaggccata tctaaggctt 120  
ttggtttggga acctgctgga gttaataagg tcacatgctc ccttcaggct gatcttaagg 180  
acttggctca caagtgtgtt gatgctacca aaattgcagg ctttgcctt gccacctctg 240  
ctctcgttgt ttct 254

<210> 1177  
<211> 255  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954635H1  
  
<400> 1177

ggcaatcaga tgctaaaaca ccaaaggtt tgcaagacca ggcaggactg cttttcttta 60





agccaagttc aacttatcca caaagaaaca tcgtggttcc ctgcatcag catctttcgt 60  
aattttcttc actgctatct accattgccca cactctcatt ctgcatggcg gcgaagattt 120  
cattggcaat tggtttgaga actctcttca ctgttttggg acttctcatg cttgctgtct 180  
ttctttacac tgccttcacc gatggtctag gtgttcgctt tctcaaagaa cttgtcagac 240  
cgtggatg 248

<210> 1181  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954646H1

<400> 1181

cttctaacca gtacacttac atggagcccc cagggcctcc accacctggc agaatgactt 60  
cttcagaatg gcttcgttgg tacagagaaa attacaaacc tgaaaggact aacaataaca 120  
tgcaaccacac tcatttgaat actcctgggc ctggaaatca tgtcaacttc ctctaccatg 180  
atacttacag gtttgggtcaa tttgatacat ggaacaacaa cccccctttg tcttctaacc 240  
agtacactt 249

<210> 1182  
<211> 256  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954649H1

<400> 1182

ttttcggatt agtcatcgaa ttaattaatt attataattg ctcatctatg catttcattc 60  
ataactctta cccaaacaaa catacacaga gattcaacat tcatagtttc atagtcttac 120  
ctttttcctt ttttttttct tttttctcaa cgttgttata ataaatttta ttagtaatta 180  
ccacaactct tgaagggtgt ggttgatgtt acgggcatgt ttgggggttga attaccatgg 240  
tagaatggag gagctg 256

<210> 1183  
<211> 254  
<212> DNA

<213> Glycine max  
 <223> Clone ID: 700954651H1  
 <400> 1183

cggatatctc aaaggtttat ccttcagtga agagaaatgg cagctgaggc aaattttgat 60  
 agcaaaagca gcaggtgggtc tttgcagggg atgacagctc tcgttaccgg tggttccaaa 120  
 ggaatcggat atgctatcgt ggaggagttg gcacaacttg gagccactgt acacacttgc 180  
 gctcgcaacg aagctgaact caataaatcc ttaaatgaat ggaacacaaa aggatacaga 240  
 gtaactgggt cggt 254

<210> 1184  
 <211> 205  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954652H1  
 <400> 1184

ttgctttgca gagtataaga tcttgctccc acgtctctga ttacttgcaa gcttcatctg 60  
 cactcatgga tcccaaccag cctgtgggtg aaaactacgc caatcccagg acttgcttct 120  
 ttcatgtcct cttcaaggct gcagccttgg cattttacat tctctcggcc ctctttattg 180  
 ataactttgt catcattttc gtggt 205

<210> 1185  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954668H1  
 <400> 1185

ctgcgattca tcgacgacca caactccgcg gaggaccgaa cctacaagct cggactgaac 60  
 cggttcgctg atctcaccaa cgaggaatac agggccaagt acttggaac caagatcgat 120  
 cccaaccgga ggctcgaaa gaccccgagc aaccgctacg cgccacgtgt cggcgacaaa 180  
 ttgcctgatt ccgttgattg gaggaaggaa ggtgcttttc ctctgtcaa agaccaagga 240  
 ggctgtggga g 251

<210> 1186  
<211> 199  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954673H1

<400> 1186

caagggttta acctttctgg ctgtgttaat atgcgtttca gcactgtcac tgagtccttc 60  
tgttgcgggg gaagggcaaa ataatggcct tgttatgaac ttctacaagg aatcatgccc 120  
tcaggctgaa gacatcatca cagaacaagt caagcttctc tacaagcgcc acaagaacac 180  
tgctttctcc tggtcagg 199

<210> 1187  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954677H1

<400> 1187

gagagagaga gagaaatggc ttgcaggcaa ttgtgggctt caagagctgc ctcttacctg 60  
aggatctctg tgtttcacag atgcttttct aatgttatta aagatttcaa gtatgttgat 120  
tctcatgagt gggtgaaagt tgatggaaat tacgcaacca tcggcataac tgatcatgcc 180  
caagatcatt tgggtgatgt tgtatatgtt gaattgccag aagtgggagc agctgtgaca 240  
caagg 245

<210> 1188  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954681H1

<400> 1188

gggtttcata ggaagagttg ggagatattt gggctatggc cactgggaag acggttatgt 60  
gttcgctgag ccagttgcgt ccgctaacat gcgcatcgac gtcagcgta cgattagtgc 120  
cccagccacc cgacctcatc aagtgggtaa ccagagaagg tggcttcgtg caccgcgccg 180

tcaagataac acaactcgac tcctccaacg gactgggcct ggtggccaag gaagaaattc 240  
cacgtggcag tgat 254

<210> 1189  
<211> 253  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954682H1  
  
<400> 1189

attctttgag ggaatttgac aaaaaagtag ccactgcccc aacgatccca tttcccttga 60  
cttctctacg tgaagctcct tgttttgcat aggagctagt tgaaatgtcc gagggaaatg 120  
cagggaaaagg aaagaaaatc gccatcattg gtgtctcaac cttattgttg gtggctatgg 180  
ttgtggcggc cacaattggg gtcaatctca atgagaatgg ttccaacaat gatatagagg 240  
acaacaagaa aga 253

<210> 1190  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954687H1  
  
<400> 1190

cttagccgag gtcacgagga gcactagcta gtttcacaat ttccaaatgg ctaggggatt 60  
gaagaagcat ctcaagaggc tcaatgctcc taagcattgg atgcttgaca aactgggtgg 120  
tgcatttgcg cccaaaccct catctggacc acacaaatct agggagtgcc ttcccctcat 180  
actcatccta cgaaaccggc taaagtatgc tctgacttac cgtgaagtca tcgctattct 240  
gatgcaga 248

<210> 1191  
<211> 246  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954691H1  
  
<400> 1191

cttttctcct ctctctcact tgcgttatta gggtttttagt tagacagtgg cggggcagtg 60  
 atacagtgtg ggcataaaat tttcgaagtt gaagcgagaa cttgccattt caagggtttt 120  
 aggggttaggg ttttctcaaa ttgcaaggac atgggtttca accttcaacc atatgggatt 180  
 caatccatgc tcaaggaagg ccataagcac ctttctggcc tcgacgaagc ggttctcaag 240  
 aacatc 246

<210> 1192  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954693H1

<400> 1192

cacaaagcta gctatagctg ctaccttta ttggcttttt tgtcttactg tttcaataac 60  
 agtaagctct aagccaccgc caagtttcat ttccttcttt aatttcctcc ctttctacct 120  
 tgttgttatt cttcttcacc ttggttaccc tgcctaccc aaaagttcaa tatctttttt 180  
 gcagcgtcaa taccctccaa attccaataa agatatacac acacacattt atatgttcat 240  
 atagta 246

<210> 1193  
 <211> 90  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954695H1

<400> 1193

atcaatttta gagttatata gtattttata tgtatagttc tctaataagc tggttttata 60  
 ataacttta ttagtggcac ttcttgagtt 90

<210> 1194  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954696H1

<400> 1194

gtttttccaat gcagaaagca ggggtacggtg gcgatggaat atacaggctt ctaaggcctt 60  
 gtttggttct cccaaatgac cccaacctct cctcgtctc attcctcttc caaagcggtt 120  
 cctctttccc atccaaaatc gccctcgtcg attcccactc ttcccaaaca cttaccttgg 180  
 cgcacctcaa atcacaggtc gccaaacttg cccacgggtt cctcaaacta ggcataaaca 240  
 aaaacgacgt 250

<210> 1195  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954701H1

<400> 1195

ctctgggact ttcagacct gaaggaacag gagggttcat tgagccgaaa tggctagcat 60  
 atggtgagat aatcaatggt cgttatgcaa tgttgggtgc agttggtgca atagcacctg 120  
 aaattctagg caaggctggt ctgatccctc aggagacagc actcccatgg ttcagaacgg 180  
 gtgtgttccc acctgcagga acctacaact actgggcaga ctctacaca ctgttcgtgt 240  
 ttgagatggc actgatggga tttgcaga 268

<210> 1196  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954702H1

<400> 1196

gtattctgat cgctccctga gagagctcgt cgcggcgggt gcagaagaag attgcaagat 60  
 gaagttcaac atcgcgaaat ccaccactgg atgccagaag aagctcgaga tcgacgacga 120  
 tctgaaactg cgagcatttt gggacaagag gatctcacag gaggtcatcg gagatgcact 180  
 cggtgaggaa tttaagggct atgtcttcaa aattaccgga gggtgtgaca aacaaggatt 240  
 tccaatgaag cagggagtgc tgactcct 268

<210> 1197  
 <211> 262  
 <212> DNA

<213> Glycine max  
 <223> Clone ID: 700954704H1  
 <400> 1197

tgagaagggt atgcgagctc taggtgatta ccttggtgtc aaggttcatg cttgtgttgg 60  
 tgggaccagt gtctgtgagg atcagcgcat tctccaagct ggtgtccata ctgttgttgg 120  
 cactcctggg cgtgtatttg acatgctacg gagacagtct ctctgtccag atcacataaa 180  
 gatgtttgtt ttggatgagg ctgatgaaat gctttctcgt ggtttcaagg accagatcta 240  
 tgacatcttc cagcttctgc cg 262

<210> 1198  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954707H1  
 <400> 1198

aggagtgata tctttgggga gagaggaatt ttacttggtg ctgttcatgg agttgtggaa 60  
 tccttgttta ggagatacac tgataatgga atgaacgaag atctggccta taagaatact 120  
 gttgagtcta taacagggat tataatctaaa accatctcaa ctaagggcat gctagctgta 180  
 tacaatgctt tatctgaaga tgagaaaagg gaatttgaga aggcttatag tgcttcttat 240  
 tacccttgca tggaaattc 259

<210> 1199  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954711H1  
 <400> 1199

cccaaagcct attttcccat tttccccttt tcatgataac aactctccat gtagggcaaa 60  
 cttcacttca attgaactaa cttgtctgtg gctttttgta gattgattca attcaatggg 120  
 ttcagtaatg ctcaagtggaa ctgaaaagct cactctcaga accctaaccg ggaacggctt 180  
 aggtttcact' gggttcggatt tgcacggtaa gaacttccca agagtgagtt tcgctgctac 240

cactagtgc aaagttc

257

<210> 1200  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954717H1

<400> 1200

cttgaagctg aactaactcg tttaggaaag cctgtagcag ctgatgctgg gggaaagttg 60  
tatgcaatca tggaaatatg ccgctcattt gatcaaata ttaaagacca tcttgatggc 120  
gtgcggcctg gaggtgataa aatttataat gtctttgaca atcagctccc cgctgcttta 180  
aaaaggttgc agtttgataa gcagctttca atggaaaata taaggaaact tattactgaa 240  
gctgatgggt atcagcctca tcttata 267

<210> 1201  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954720H1

<400> 1201

gtgaagatga tgtccggaaa atatacgtcg attgacgcgc acagcttcag ggatctgttc 60  
ctgccgttcc agattcacga cccgccaccg tcaatttcgc agattcaaatt cttcagacat 120  
ttcctccatc tggctcctcg ggcaagatta ctgctgcttc cgggcctcct cgtgacgctg 180  
atgattcatt ttcaaaacct gtatctgggt ctgatgaacc ccagcagggt ggttgggttc 240  
agacttttac aattgctgct t 261

<210> 1202  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954723H1

<400> 1202

gtcacatgca tcgtccctc acttgggtca accccagaat cctccaaggc ctaccttaaa 60



actcttcctt caaacataga ctccattttt ctccctccaa ttagcaagga aaatgtaccc 120  
 caaggagcat acgctggact cctaattcaa ctactatta ccctttctct gccatcaata 180  
 tatgaggccc tgaaatcctt gtccctctaaa tttcctttaa cagcgttggt tgcagatact 240  
 tttgcatttc caaccttgga a 261

<210> 1203  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954728H1  
 <400> 1203

cccaaacaaa actcaagtac ggtcagacgt tgaggcttcg gtttaagggtg agcgcgactt 60  
 tgggtgggga ttcggtgtct gttaccatgc tggcgccgcc atttaacacg cactcgttct 120  
 ccatgaatca gaggctgttg gtgctgaagc cgcaccattt gagtgggggtt ggagaatcaa 180  
 cgcacgaggt tgaagttacc gcgcgggctt ccgctgttct tgcgccaccg ggtttctatc 240  
 tgctgtttgt ggtcc 255

<210> 1204  
 <211> 267  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954733H1  
 <400> 1204

atcgccatta gtgactgctg tgaggagagg atcttctgat tcaaaattgg tgtcctcctc 60  
 gtctaccctc actccagaaa ccaaaactac catggaagac aaaggccgtg gtgctgggtga 120  
 aagtcgaggt ggagtgaatc tgacaaagaa gagagaattc accatattcg tagactatag 180  
 agatagataa acgttcgcta aacccaaagt agatagttga gatcccagcc caacccaata 240  
 gcgcgaaagc cccaaacctt cgccttt 267

<210> 1205  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954738H1

<400> 1205

cccgaaacct aaccctagaa gaaagaaaaa aaccacacac acacaatcag tactaccaac 60  
taggggttttt gtcattggcta gtttgcaaac taggggttttc ttgatggccc ttctgtgcct 120  
gctggctctt ggtgcaacca ttattccaat ggcacaaggga gaagtgtcat gtggccaagt 180  
tgtgagtaac ctgaccccat gcattctcta tgtgtatat ggtggagcca cggttcctgc 240  
acagtgtctg aatgggat 258

<210> 1206

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700954748H1

<400> 1206

cacaaacaac tcttgagaaa gaaagaatgg ctgccaacac attgatgagt tctgccatct 60  
cagccttccc atctctcctt tctctctcaa aatccagatt tgccgcagca gttcctcttt 120  
ccagctttgt tgtcaccaat gcctcttctt ctcgcttttc catgagtgtc gactggatgc 180  
ctggccagcc tagaccccc taccttgatg gttcagcacc tgggtgacttt ggattcgacc 240  
ctcttcgtct tggg 254

<210> 1207

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700954750H1

<400> 1207

agaaagggtc gcagacctgc cattcagaat gttgaagaag gaaacaatga ctgaagaaca 60  
gataccaaat atacaaatgc tgctttcctc acttattaac agtctccaat tactaagatc 120  
ccgtaagaca ctcgctttcc gcaatagaaa aaaaatggcc tatatggttt tgtctaagct 180  
tggattgcct cagtggtttg gttgtaaaga agtgtcatgt atgtacgtgt gttaatgtgg 240  
ttgtaccagc aaactgtaat taaa 264

<210> 1208  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954754H1  
  
 <400> 1208  
  
 gttttcagcc cccttggtgg agaggcactt tcaaggtag atgctgtgat aaggcatcca 60  
 aatgcactac atgctgataa cataatggca tatgacaatg ccgtctcagc tcttggaana 120  
 atatgccaat tccatcgtga tagcataaat gcagcacagg ttgttcctgc ctggctaagt 180  
 tgcttgccca taaaagggtga ttttaattgaa gctaagggtg tgcataacca actttgttca 240  
 atgggtgaaa gatctgat 258

<210> 1209  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954757H1  
  
 <400> 1209  
  
 aaaaaaggca aagcttattc cccaagact tagctagcac tagcaaacac ctctatatct 60  
 aaaatgggtt caatttctga tcatgaactg gttttgatct ttgggtctct aggtaacatt 120  
 gtgtcattca tgggtgttct agcacccttg ccaaccttct atacaattta caagaagaaa 180  
 tcatcagaag gatttcaatc aattccatat gcggttgacac ttcttagcgc actgttgctt 240  
 ctatattatg gcttcat 257

<210> 1210  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954759H1  
  
 <400> 1210  
  
 ggaacaaagg cattagctaa gatgatggct gtttgtggac cttttcatca aaatactgca 60  
 agtgcatata gtcttctagc tgtgggttct taccacactg gagattttta ccaggccacc 120



<400> 1213  
 ttcacctttc agtggttttt ttctctctct ctctctgtc tccccgccgg agcccacttt 60  
 cgtcgccggt gtttcctttc tgaagctgct cttccgttgc gagccaccgc gacccttttg 120  
 agagccctgt tcaacaagct cgaaagtccg gtttttttcc cgattcgggg aaactgggtt 180  
 ggtctttgac ttggaaccgt gagtggagt gaagggattt tttttgggtt ctgcgaagag 240  
 gtgcggatcc aggaa 255

<210> 1214  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954775H1

<400> 1214  
 ctactcttg aacctaataa tcatagaggt aaggaaaagc aagccattta ctttttcttt 60  
 tttctcttct tcccaaaaca aaaacagtca cttttacaca atgccaccaa aatggtgtaa 120  
 aattattctg ggggtccaaca agaccaagtg atgcaaattc tgagaccacac tgagagggtg 180  
 caactgtgtg ctgcactgtg gctagaacta catgttctgt ggttcccttc atgctttgca 240  
 ctgtggctgg ctc 253

<210> 1215  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954784H1

<400> 1215  
 cttgtgttac ttctccttgg ttgcaccatg tcttgctatt tgtatcatct tgtgtacctt 60  
 ctttaagcttt gagcaattcc cttttacttt tatttcactc catgatcatc actcacacat 120  
 caaacactac tactagctcc ttgtatgagt gtcattcctt ctagctaaat ctctctcttt 180  
 tggggtatgg aattcaacaa gttcagaatc agaagctatg aggggcaatc tgatagggtt 240  
 caagtggaag atcttga 257

<210> 1216

<211> 257  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954785H1  
  
 <400> 1216  
  
 ctcatTTcaa tttgcatttg catttcattt ggcgttttTgt ttctttctgg aagcttcact 60  
 tcggcatcca tggcgTcgTt cgaagaagct cctcccgga actccaagaa cggcgagaag 120  
 atcttcaaga ccaagtgcgc tcagtgccac accgtggaca aaggtgccgg tcacaaacaa 180  
 ggaccaatc tgaatggttt gtttTgaagg caatctggca caactcctgg atattcctat 240  
 tctactgcta acaaaaaa 257

<210> 1217  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954786H1  
  
 <400> 1217  
  
 cagaaattgt ggcttTgtgg cttttcaaag ggcatacagg aaatgcacag aaaggcatct 60  
 ttggttcttg aagatgcagt taggaatatt tacactgttg ttgcattttg tgctggtaat 120  
 aaggtgatgg aactctacca gttgcagtta aataaaatat ttaagcaaag ctttcttcat 180  
 ggagtggcca ttggtttTgg atttggcttt tcacagtttc tgctctttgc ttgtaatgcc 240  
 cttctacttt ggtac 255

<210> 1218  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954789H1  
  
 <400> 1218  
  
 acaggacttt ccgttcacga cactcccttt tatcgtttca cttccgtcgt cgTcgTcttc 60  
 aattttggat cttcgaatcg aatcgcatcc tatgggtagc agcagaggac acacgTcat 120  
 ggaggttTga cccgacgggg ttgcgTcat caccatcgTc aacctcccg ttaattcact 180

ttcctttgat gtattgcgca gtttaaagga gagttttgat caggcgatac agagagatga 240  
tgtcaaggca attgt 255

<210> 1219  
<211> 251  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954795H1  
  
<400> 1219

cgctgaggag gaacatggtg cagaacatgc tcagctcaac aagacttaag gagtttcgca 60  
gtgttcggga caatgcgatg gacaagctca tcaacagact caaggacgag gccgagaaga 120  
ataacggcgt ggtttgggtg ctcaaggatg ccaggtttgc tgttttttgc atacttgtgg 180  
ctatgtgttt tggctcttgag atggatgagg agacagtga gagaatagat caggttatga 240  
agagtgttct c 251

<210> 1220  
<211> 271  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954809H1  
  
<400> 1220

gggaattacc agccatggca tcgtttgggg cggaagagtg gtactttttc agcccagagag 60  
aaaggaagta cccgaatggc gcaaggccaa acagggtgc aacttcaggg tattggaagg 120  
ccacaggtac agataagcct atatgtagtg gaactcaaaa ggttggggtg aagaaatctt 180  
tggttttcta tggagggaag ccacaaaag gggtaaaaac tattggatca tgcagagta 240  
ccgtgttgct gaaaacaagc ctaacaatag g 271

<210> 1221  
<211> 270  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700954812H1  
  
<400> 1221

aacttacagc ttgatggggt cctttgttcc atttgggtggg ttcttttcta cacctgaaat 60  
 cagaagtcct gtaagctgta caaatgcacc ttttaccctg ttgtgacacat gcaataaaaa 120  
 atgtgaacaa gaagttgcag atcttctgaa ggtaggtcct tcattctagta actcaacgag 180  
 ctcaccctgg ttacaaaagg ttgttaatgt ggagacgcat gagggtcgga tgcggcaaag 240  
 actaatgaag aaaacacaag tttgaatgat 270

<210> 1222  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954815H1

<400> 1222

caaatgact caagcccaga ttcaaccagt taaacttgga acccaaggct ttgagggttc 60  
 aaaattggga ttcggatgta tgggccttac tggagcgta aatgaccctc tccaagaaca 120  
 ggatggcata tctgttatca agtatgcgtt cagtaaggga atcacatttt ttgatactgc 180  
 ggatgtttat ggagccaatg ctaatgaact tttggttgga agctttgaag cagctgcccc 240  
 gagaaaagat tcagatagcc acaaaatttg gt 272

<210> 1223  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954828H1

<400> 1223

cacacacaaa cacaacaaca tatggagggtg ctaagggtgc aaaccatagc ttccaaatcc 60  
 aaagatgctg ccatcccagc catgtttgtt agggcagaga cagagcaacc aggcatcaca 120  
 accgttcaag ggtgaacct tgagggtgcca attattgatt ttagtgacct agatgaaggg 180  
 aaagtgtgac atgagatttt ggaggcaagt agggactggg catgttccaa attgtgaacc 240  
 atgacatacc tagtgatggt ataagaaa 268

<210> 1224  
 <211> 265  
 <212> DNA



<213> Glycine max

<223> Clone ID: 700954840H1

<400> 1224

tgttgaaatt aagctaaagg agttagaaca aaagtcagct gaagtcagta ccgagtggag 60  
tattgtccct ggacgtggag ggcatccac tctggcttcc cttcagccag gtggcactgt 120  
tagttttgaa catcggaatc tgcaagggt gaatagatct attaacggtt ctataacaac 180  
aagcaacttc ttgaatcctc aggatgatct tgcattaagc tagagtatgt gcatccatat 240  
ctggatggtg tatactattc acgca 265

<210> 1225

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700954843H1

<400> 1225

gccgttttgg taacatccat tcggaacttc cgttcaaaca gaggacccgt ttcggggatt 60  
ctgaaaggct ttgtagggtt gagcactgcg atattcacta ctctctgttc cgctctcttc 120  
gccgacgac ctggctcctt cctcatcatg ctctctgtca ttcccttcgc agtttgcctc 180  
accggtgtgt ttttcctccg ggagattcct cccgtgcctc cgccgacgcc gacgccgagg 240  
aggtaaagta tttcggcgctc ttcaa 265

<210> 1226

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700954845H1

<400> 1226

cggattcgca tcgtgattct aacgttaact tccatttcca ttttctttgc tgcgatgcga 60  
atatgcttcc tccaatccgt ccttctacaa atgctatctg ctgacagata ctgagtaccg 120  
atctattttc tctccttttt cacaatttct caagttacca ttagaaggaa gccatggaat 180  
ctgagagaga aagttttgac ctctcaggac ctttgctcta acttatgtct tatgggacaa 240

tgcatatcat cgaatgtcag ttgctgc

267

<210> 1227  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954848H1

<400> 1227

attaggggac aatttgtcag acgaatagtg tctgaaggca aagaagaaaa agataaacia 60  
agtgacaacc tggttcctgg ggataattct atcgacattc ctcaatagca ccagacaaag 120  
tggatgatcat tatttgactg attccgttcc attaactgcc tctagcttct tgctagcaga 180  
ccagcttttc acacgttcac ctaggaagga gcttggaggt tgtgtagag gaactctgtga 240  
ttaggtagtt taattttatc tctattgtg 269

<210> 1228  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954876H1

<400> 1228

cttcctcagc cacacttgta gaagcaaagg ggaaaaaac taaggaaagg aacatagcat 60  
tgctcttaat atcctaactc ctagattccc atctctggct tctcaccttg cataatggct 120  
acaaaagtga aacgcaagac tttttcaatt gctgcagcaa catggatggg cttgtgtatc 180  
atcactatga tctgcaatgt cagtttagca gaagaatttt gaaagaaaaa gaattaggaa 240  
atgatgttcc gaaagagaga ca 262

<210> 1229  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954890H1

<400> 1229

aacaagaaca taagggaacc acagcggcgg taacagaaga acaagcagag aatgggtcga 60

gtgagaacga agacggtgaa gaaatcctct cggcaggtga tagagcgtca ctactcgcgc 120  
atgaccctgg acttccacac gaacaagaag cttctggagg aagtggcgat aatcccgtcg 180  
aagaggctaa ggaacaagat cgcggggtct cgacgcacct gatgaagcgc atccagaagg 240  
gccctgtgcg cggcattct 258

<210> 1230  
<211> 247  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700954986H1  
<400> 1230

gcctcgtccc tgccatgaga acccttcact cagccctcct agccgagggc ataaccgaca 60  
ttaaggtaac cactgctcac tctctggcga taatgcggtc atcgatacca ccaagtatgg 120  
gcaggttcag gcccggttac gcaaagcacg tggtgggccc aatgctgaag tttctgaggg 180  
agacgagaac acccttgatg gtgaaccgt acccgactt cggttacaac gggaaaaacg 240  
tgaactt 247

<210> 1231  
<211> 247  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700954990H1  
<400> 1231

catgatttgg gtccataggaa tgtacttgtc aagggtggtg acctccctaa ttcgttagat 60  
gctattgatg tattctttga tggtagaggag ttctacgagc tgtgttcacc gcgtgtaaat 120  
actcgcaata gtcattgtac tgggtgtacc ttggcatcat gcatagcagc agagctggca 180  
aagggttcat caatgctttc tgcagttaag acagctaaac attttattga ggctgccttg 240  
gattata 247

<210> 1232  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955001H1

<400> 1232

gcacagcaac acctgaaaaa ggaagggtta gtgagtgtgt gtgtggaaat tgtcatcgct 60  
cgcaagagca acaacaacta gtacttaaag agacagagag tgtgcacatc aatgtctgct 120  
caggtcggtg tcaggacacg agcccaagcc gcattagcca tggaagctgt tagttctgct 180  
gaaccatcat ccaagagaaa gaagatcagc aacagtacta accaagagcc aaaactctcc 240  
aagactccga gaacgagttc ttctctc 266

<210> 1233

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700955003H1

<400> 1233

ctaatttatc gaaaggtagg gttttgcaga gcctctctct ccgttaccag tttcttcttc 60  
tttatctctc ctcttttctt cttccattcc tctaacctaa gatgggcaag tcaagcaaga 120  
aatcagctat caaggttgac gctgctccag ctgtggttcc gccatccaag tctgccaaga 180  
agggaggcaa gcgacaagct caagatgaaa ttgagaagca agtgagtgcc aaaaaacaga 240  
agatagagga gggtgctcag a 261

<210> 1234

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700955006H1

<400> 1234

aaaagacaca gactaggcgc tgcccaaat tgctctgcca ctcttaacgg caaccacaag 60  
ctcactgatg ctgttcttcc tcccacgaaa gactggagga aagaaggaat agtgagtgat 120  
gttaaagatc aaggcagctg cggatcatgc tggacattca gcacaactgg ggctttagaa 180  
gcagcctatg cacaagcatt tgggaagagt atctctcttt ctgagcagca gctagtggat 240  
tgtgctggcc gtttcaa 257

<210> 1235  
 <211> 257  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955008H1  
  
 <400> 1235  
  
 cctctaccgc ctctaagtcc tacaagaacc catcccctcc ccagccgctc ccaaaatctc 60  
 actcttctta ctcttcttcc tccaagagaa gtaaacaacc ctcacattca ccacagcagc 120  
 acacacagac aaagacaacc ttgtttgtct ccaatcaaaa cctttcaagc tggcggttoga 180  
 aaaccaagac aaccctgtcc gagaaatcaa gcccaagaat aggagaatca tgggtgctgg 240  
 aggccctgat gatgagg 257

<210> 1236  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955011H1  
  
 <400> 1236  
  
 agcttgcata ataatttcgt acacttcttc tcttcttttc tctaactttc tttcttaaatt 60  
 caaacaaaac ataatgaat aggttgaaac caagtaacct aagacaatga gggagggaat 120  
 ggtcacgtgg aaacaattga agttactgta cgatagggct gtcctcagt cctcattatt 180  
 attcgtttcc aactttcaac tacctcattt acactagcaa ctcttttctt cactataaaa 240  
 ttctcaactt gggt 254

<210> 1237  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955012H1  
  
 <400> 1237  
  
 ttctctattg ctcccatccc ttctgtttca tacacttttc aaagggcgct tcttctcat 60  
 agctggcaaa atggcaaattg cagcgtctgg aatggctgtg catgatgact gcaaactgag 120

gttccaggag cttaaagcaa agcgagtcta ccgcttcatt acattcaaaa ttgagcaaca 180  
acaagttgtg gtcgacaaaa taggggaatc tacggaaagc tatgatgatt ttcaggccag 240  
tttgccagct gat 253

<210> 1238  
<211> 255  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955022H1  
<400> 1238

ctggaccag acccagttcc tttgttcaac acgttacaat aatggcccat ttttctctct 60  
ccctctctc ctgtgcacct tctctctac caccacgccg ccgaatcttt ctctctctc 120  
ctcgagccgc cgcattctcc gccaccgacg tcgtttccac ttccacttcc acttcatctt 180  
ctgcttcgaa tttcgcgccc aaagtcgttg tcaccagaga gcgcggcaag aacgccaagc 240  
ttatcgctgc tctgg 255

<210> 1239  
<211> 254  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955024H1  
<400> 1239

ttttgcgac gcctttcctt ttatggatta ccgttatttt attttttatt tttatattcc 60  
tacaaaattt acctttccgc cgtgggaaag aatcatgagt tgtttcagct gttgcgaaga 120  
ggatgacctc cataaggctg ctgaaagtgg aggaccctat gttgtaaaaa atccagcagg 180  
gaatgatgga aattatcatg cttctcaaac tgcaaagcag ggcaactcagc ctgttaaacc 240  
tcagcccatt gaag 254

<210> 1240  
<211> 253  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955025H1

<400> 1240

atTTtataag ttgccaaaat ggaaacaaaa caaactcaaa atggcagttc agttgttctg 60

agTtaaatta cacttcacct tctgtctcct cctgtcattt taagttgcag ttagagggaa 120

ctttggttat cgtcaaagtt tacatatTTT ttccttgaca ttgttatctg tgttttatat 180

ctcagggagc ttgctatctg ttttgagta agaaactgaa catatggaag tgaaagggga 240

cagcatgagc gtt 253

<210> 1241

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700955026H1

<400> 1241

acgacatgct tctcttttcc cttctcaaga ctgcccaagg ccaccctatg ttggtggaac 60

tgaaaaatgg ggagacatat aacgggcatt tggtaattg cgacacatgg atgaacatcc 120

atctgcgaga agtcatttgt acatctaaag acggagatag attttggagg atgcctgaat 180

gctacatacg aggcaataca atcaagtacc ttcgagtacc tgatgagggtt attgataaag 240

ttcaagaaga aa 252

<210> 1242

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700955030H1

<400> 1242

gctgctaata actatggcat caacgacgaa tacgctcagg cactccccgc ccgctgcaat 60

gtcagcgtcc cttacaagat cagccgatcc accaactgcg actccatcaa gttctaaagg 120

agcgggtagc tttgccaatt tcttccgcgg gataatgagg caacgtatgc tgtaacactt 180

gttatcgTTa tcattaaaat aaaagaaagc gagtgtgact cgggttccac tcatgtgagc 240

ctgttattgt at 252

<210> 1243

<211> 261  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955033H1  
  
 <400> 1243  
  
 gctatgggaa agtcttacc aactgtgagt gctgattacc agaaggccgt tgagaaggcg 60  
 aagaagaagc tcagaggctt catcgctgag aagagatgcg ctctctaat gctccgtttg 120  
 gcatggcact ctgctggaac ctttgacaag ggcacgaaga ccggtggacc cttcgggaacc 180  
 atcaagcacc ctgccgaact ggctcacagc gctaacaacg gtcttgacat cgctgttagg 240  
 cttttggagc cactcaaggc g 261

<210> 1244  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955037H1  
  
 <400> 1244  
  
 tgagaaaatg ccatacctac acgctgtggt gaaggagctt ctaagaaagc accctccaac 60  
 acactttgtg ctaacacatg ctgtgactga gccaccact ttgggagggt atgacatacc 120  
 aattgatgca aatgttgagg tgtacacacc agccattgct gaggacccca aaaattggtt 180  
 aaaccctgag aagtttgacc ctgagagatt catctctggg ggtgaggaag cagacataac 240  
 tggggtcaca gggg 254

<210> 1245  
 <211> 132  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955042H1  
  
 <400> 1245  
  
 agggaacaaa ggctttgaat ttgattgcag ttgagttagc ttctactttc agtgtgagat 60  
 cttcgtctct tctcttgctt cttcttcaa ttcattctcg aaccgcgttt ctatttttga 120  
 ctctctctct ct 132



<210> 1246  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955044H1  
  
 <400> 1246  
  
 caagatcgga atcaacggat ttggaagaat tggccgtttg gtagccagag tggctctgca 60  
 gagagacgat gttgaactcg ttgccgttaa cgaccctttc atcaccaccg attacatgac 120  
 atacatgttt aaatacgaca gtgttcatgg aacttgggaag catcacgatg tcaccgttaa 180  
 ggacgagaag acccttctct tcggtgacaa gccagtcact atttttggac acagaaaccc 240  
 tgaagaga 248

<210> 1247  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955045H1  
  
 <400> 1247  
  
 attaaatcca ataaaaattc taaaagaaaa gaaaaaagga aaaacagccg gcgacaaggc 60  
 attgggggtc tccactctgc agcttccact ctctaaagtc taaagtcttc caaatcccaa 120  
 aaccctaggg aagatgatgg cgtcttccaa ttcacgaaaa tcagaaactt ccccttctcc 180  
 cgccccgcaa ttcaccacca ccaacttcat ccccatcccc gccgccgcag cccctaaaac 240  
 cgtcgaatgac g 251

<210> 1248  
 <211> 253  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955047H1  
  
 <400> 1248  
  
 cagaatcacc ggcagcaaaa actacgtcga tggcatcaaa acttacaaca ccgctacctt 60  
 cgggtgtgaac gctgctaact tcatggcgat gaacatcggg ttcgagaaca cagcaggagc 120

tgagaagcac caagccgttg ccctgagggt aacagcagac aaggctgtat tctacaactg 180  
 caacatggat ggggtccagg acaccctcta cacacaatcc cagcgtcagt tctaccgcga 240  
 ctgcaccgtc acg 253

<210> 1249  
 <211> 256  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955049H1  
 <400> 1249

gctagtctca gttcagttag cacaccaaca ccacatccat aggttcattt caatatggca 60  
 atcttgctcaa gttttgctcc ttgaccatt cttagtttag tcttgtagt ggttggaatc 120  
 attgtgtctg ggggtgaagc taggccaaga gcattctttg tgtttgaga ttcacttggt 180  
 gacaatggaa ataacaatta cttggccacc acggcacgtg ccgatgctcc tccttatggg 240  
 attgattacc ctcaa 256

<210> 1250  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955059H1  
 <400> 1250

attttagaag aataccccct cttttgctgc atcagaggag ttgtaaatta agagcatggc 60  
 tgcacaagct cttgtatcat catcttctct taccttctca gcggaggctg caagacaaag 120  
 tcttggaacca agatcactcc aatctccatt tggcttctcc agaaaagcct cctttcttgt 180  
 taaggcagct gctaccccc ctgtcaagca aggatcagac agacctttgt ggtttgcac 240  
 aaagcaaa 248

<210> 1251  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955062H1

<400> 1251

ttcgccagtt aatagaaact caactttgag tagataatac tgctggatgt ctcgtctcta 60

attattgtat ttggaaaata gttttgagtt gaggatctaa tcattaccag atttaataata 120

cttggcaaat ggggtctgaa ggtcctacga caccgacaac aacaattcat gtgacaggat 180

ttaagaaatt ccatggagtt tcagagaatc caacagaaac aattgccaat aatttgacgg 240

agtacatg 248

<210> 1252

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700955070H1

<400> 1252

cactgctttc ttttaagtgcc atggacatga gcaatttgag atgacggggtt tggatcctga 60

gtataatagg ttgttcaatg agggcatggt gtgcactgct agggttgtgt ccaaggctgt 120

gatcactggc tacaaagatg ggttcaacca gattaagtcc ttggttgatg ttggaggtgg 180

cattggaggg tctctttcgg agattgttag ggcttatcct catatcaatg ccatcaactt 240

tgacttgc 248

<210> 1253

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700955076H1

<400> 1253

atcaaatacc tcaatggtgg ttctgagatt cagcttcac ttgataaata cacaggtact 60

ggcttccaat caaaagggtc ctacttgttt ggtcacttca gcatgtacat aaaattggtt 120

gctggtgatt cagctggcac agtcactgct ttctatttat catccacaaa ctcagaacat 180

gatgaaatag actttgagtt cttgggaaac agaaccgggc aaccttatat tttgcaaaca 240

aatg 244

<210> 1254

<211> 246  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955077H1  
  
 <400> 1254  
  
 gcaaaagcta ggtgttgcac cagaaatatt ccattcttgg ttccatttgc ttcaacaagt 60  
 taagaagagt ggaatgcgta ctaattttta aagggaacat gaaaagaaag tatgctgcct 120  
 tggtttaaca tcattactgg cactcccagc tgatcaattg ccagcggagg ctttaggtcg 180  
 ggtgttccgg gccaatcttg atcttctagt tgcctacaag gaacaagttg cagaggctgc 240  
 aaaaga 246

<210> 1255  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955087H1  
  
 <400> 1255  
  
 cactctgaac caaataccat agtcttctct ttgtctgaga aaatagttcc ccccaaaaat 60  
 aaaatgaaca agggctctct ctttgtgtcg ctgattcttc tgatccacta caacaacgtt 120  
 gtcaacgcca acaacaaaaa ctgtgtcaca gaggattgcc tcatcggcaa caatgatttg 180  
 gaatcagaat tctacttcgg ttcccatgtg gccagaatgc tctacgatgt gagccaatct 240  
 gtgtct 246

<210> 1256  
 <211> 243  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <223> Clone ID: 700955092H1  
  
 <400> 1256  
  
 cgtgtcaatt tctaaatcca ccaccacacc ctctcttcta ttctctatta ttattatctc 60  
 cacacccttc actctctctc actcttctct cgaatcttcc accgcaatgg ccaccgtgc 120  
 cgagaaactc tccgtctca aatccgccgt cgccggattg aacgaaatca gtgagaatga 180

gaagaacgga ttcacagcc tcgtcgccg ctatctcagt ggcgaangca gcatgtggaa 240  
tgg 243

<210> 1257  
<211> 260  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700955121H1

<400> 1257

cttgagcntt atgttgccc aactcccgca actgctgcaa attcagcaca tgtatatgcc 60  
gctaacatga cagagaatcc aaggctacta atttggtgggt ctggcagcag ttcatatccc 120  
atcaaggaga tgcaggttat tgtgcctgat ccatctaaga tttttcanag ttctggaatg 180  
gttgantcca agtcagttgg aacnttttca cctctgcaaa agcaagagag tcagagggga 240  
ctttttgttg atagaggtgt 260

<210> 1258  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955186H1

<400> 1258

tgaagaaaga cacagccatt gtttggttac tttccattga ttgagcgaaa gtttgttttt 60  
tctgcgatca ttttccattg ggtggaagaa agtctcaacc tttagtcgaa agagcaagga 120  
tctgagttag tgagcgatca tgtgtggtgg tgcgattatc tccgacttca ttccagcggg 180  
tcccgcgggc ggggcgcacg cgtgaccgcc gacatcctgt ggccgaattt gaggaagcgg 240  
ttct 244

<210> 1259  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955187H1

<400> 1259

tagaagcaat aagatgaaaa tgaaagtgtc tgttttggtt gttgctacag ttttggttagc 60

atatgaatgc catggctcag actaccagaa gttccctctc caaatgaaaa ctgggttttg 120

tgggcaatac agcaatgagg tggcatgtgc cagttggagg cttggcgtgg aagcaaacaa 180

cgtagtcaag tggcaaactg ttctgcagc ttgcggagag tacatagctg actacgttct 240

aggaga 246

<210> 1260

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700955212H1

<400> 1260

gctttgtgac aaagcttgaa atgagaattg cttttgatat ggatgttagt tagcaaagat 60

gattcaagat ctgtgattct aaccaacatt tgtgtaaagt tgactattca tttttcagtt 120

gatggacttg atcagtgatc attgattttg ttgctgggta caagtgggtc tctcgaggaa 180

aattatagta gaaaacaatg catatgaagg aagctcagtt tcatatattg agaaacattt 240

ggttt 245

<210> 1261

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700955236H1

<400> 1261

ccatccaaca tattcttcag ttagctcccc caacctatac acttcaccac cacaccacaa 60

ccctaccctc tctctctgtc atggtcattg gaggagcctt ccctcgtttc gacccaatca 120

ccaatgtag cacccaagac cgctccaacc agactatcgc ctcggaacctc gatggcaccc 180

tccttgctc cggagtgcc ttccctact acttcctcgt cgccctcgaa gccggcagcg 240

tcttccgagc cctccttctc 260

<210> 1262

<211> 255  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955241H1  
  
 <400> 1262  
  
 caaaacttgt acaacatggg aatgaagaac acctcaacaa cgtttgcac gccaccgtt 60  
 aatgtcatgc cagccattac ttttataatg gcactgattt gcaggtaga gacagtgaac 120  
 ttgagaaaaa taccacgcgt agccaaggta gttggaacag cagtaacagt ctccaggagct 180  
 atgggttatga ctttgtacaa aggcccggct cttcagttca taaagggaca agcagcaacc 240  
 caccatgaaa gtggc 255

<210> 1263  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955243H1  
  
 <400> 1263  
  
 gaaatcaaca cacacaaaca caacaacata tggaggtgct aagggtgcaa accatagctt 60  
 ccaaattcaa agatgctgcc atcccagcca tgtttgtag ggcagagaca gagcaaccag 120  
 gcatacaaac cggtcaagggt gtgaaccttg aggtgccaat tattgatttt agtgaccag 180  
 atgaagggaa agtgggtgcat gagatttttg aggcaagtag ggactggggc atgttccaaa 240  
 ttgtgaacca tgaca 255

<210> 1264  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955254H1  
  
 <400> 1264  
  
 gtaccattat cccagtatct tttggacca caaactcaag cacagcaggc aagggtgttg 60  
 gcaacttttg ctcttgggga tctgtttcag aatgaggctc ttgctcgaac aagtgatgca 120  
 gtttcagctt gtcgtgcttt agtgaatgtg cttgaagagc aaccaacaga agaaatgaaa 180

gtcgtagcca tatgtgcttt gcagaatctt gtgatgtaca gtcgatcaaa taggagagca 240  
gttgcagagg ctggt 255

<210> 1265  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955257H1

<400> 1265

ggttgagaac agcatgtgag cgggcaaaga ggactctctc ttccactgct caaaccacca 60  
tagagattga ttccttgtag gaggggtattg acttctacac aaccattacc cgtgcccgtt 120  
ttgaagagct aaacatggat ttattcagga agtgcattga gcccgaggag aagtgtttgc 180  
gggatgccaa gatggataag agtaccgtcc atgatgttgt tcttggtggt ggttctacta 240  
ggattcccaa ggt 253

<210> 1266  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955277H1

<400> 1266

caggaattga tcatatgatg gcaatgaaga tgatcaacca agcacatgtg aggaagggga 60  
aaataaagtc ttctacttct tattgtggtg gacttccatc tctgaagct gctaacaatc 120  
cattagcata taaattcagt tggaatcctg caggagccat ccgagctggg cgcaatcctg 180  
ccacctacaa atgggggtggt gaaactgtac atattgatgg ggacgatctt tatgattcgg 240  
ctacaagact aagg 254

<210> 1267  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955280H1

<400> 1267



gcaagaatat caaattgggc tcttgtcttc ctctcatct ctacactact ccacatagag 60  
cccagcctct caagcccaag cccaagccca agcccaagcc cggtcataaa atcctcctgc 120  
agcagcacc agtaccagc cctctgctc tcatcctct cegtctacgc ctccagcatc 180  
caacaggacc ctaccaact gggtcagaca gactctccc tctccctgaa ccgcacccaa 240  
gccacaaaa ccttcgtgg 259

<210> 1268  
<211> 273  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955336H1  
<400> 1268

aagaattgca atataacttc aaggagtata gaacaatcac ttgacaattc caattcacgt 60  
ctcatgttaa attataagga tgatgattcc agagttgcac gcaaactctt tgatgatgtt 120  
gaattcttat gcaaagattt ctgtccatct tctctggatg acattgccga catgagttgg 180  
ccactatgtc aagaatcagc tcccacttct cactcgatga gattcactag aagtttgagt 240  
gggctttcgg tcaggagggtc tttagttggt tca 273

<210> 1269  
<211> 270  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955401H1  
<400> 1269

atttctcct ctatttaact tcaaacagga attatctgaa gcatctccag tgcttgtaa 60  
caaattgata cctgaccacg tgaagcggca aatagggctg caatttggtc ctccagcagg 120  
atcatgatga tgagcttttag ggggcttttag tgtatactag ttgataagtt aaacaaaagt 180  
gacaccgtta tttttgtcta aattagcatg ttctgtggcc tgaccagtgt agtttcaagc 240  
tgaacctaga ctgagacttg ggggtgctgga 270

<210> 1270  
<211> 266  
<212> DNA

<213> Glycine max  
 <223> Clone ID: 700955405H1  
 <400> 1270

```

ctcctcaatc ttcattgtcc tgttcttccc ctaggtgaca cacacacgca gagatcatag   60
cttgtgttag tgaggttaga agataaagaa agaatggcat ttgcaggaac aaccagaag   120
tgtatggcct gcgacaaaac ggtttatctg gttgataagt tgaccgcgga taaccgagtg   180
ttccacaaag cttgcttcag atgccatcac tgcaaaggaa ccctcaagct gagcaactac   240
aactcttttg agggagttct ttactg                                     266
  
```

<210> 1271  
 <211> 263  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955421H1  
 <400> 1271

```

gcacaatttc tctctttctt tttgtgtcca aaatggctcc tagttctact cacaatactg   60
ggttctatgt gcttatgcta gttgggatag tgattagcac tatggttgct acctgtgctg   120
gtagcttcta ccaagacttt gatctaacat ggggtggtga ccgtgctaag atattcaatg   180
gtggccagct tctatctctt tcccttgaca aagtctctgg ctctggcttc aaatcaaaga   240
aagaatacct atttgggagg att                                     263
  
```

<210> 1272  
 <211> 259  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955474H1  
 <400> 1272

```

tgatagttcc aaaggcatta ttctttctgg tttccatcca aaggcatatt atgtgtacaa   60
tactgtgacc aagcaaaagt atgaactccc agaacctcag caattctata aagttctgtg   120
catggcattg atgttgagga atatctggat agtgacatat gctacaaggt gatccgtgca   180
agatgtgaat gcaaactaaa ggaacgcaac actgtctcaa ttgagactta ctcatcaaaa   240
  
```

agtagacaat ggaagcaat

259

<210> 1273  
<211> 259  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955487H1  
  
<400> 1273

ggcccttcaa gctgcccttt caacaggagt tttgcagctg gtaggaactg atcattgtgc 60  
ctttaattcc acccagaaag ctcttggaat tgatgacttc cggaaaattc ctaatgggtg 120  
caatgggtatt gagaaaggat gcatttggtg tgggatatca tggtggaatc tggccaaata 180  
tctgtcactg actatgtccg gttgacaagc actgaatgtg ctagaatctt caatatatat 240  
ccaaggaaag gagctattc 259

<210> 1274  
<211> 260  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955489H1  
  
<400> 1274

gtcggctctgg cctgattctg agtggcgatc attaaagggtg caatgggatg aaccatcctc 60  
aattttgcgt cctgacagag tttcatcatg ggaattggag ccacttgtgt ctaccactct 120  
tgcaaactcg cgccaacca aagaacaag agggcacggc ctctcattct accttctaca 180  
atgcccgaatt cttctttgca aggcataatg aaatcatcag ttgaatctac ctctttctct 240  
tattgtgacc cccaacaagg 260

<210> 1275  
<211> 259  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<223> Clone ID: 700955490H1  
  
<400> 1275

ggttgcttgg cggggataag attaaagatt caacaatggg cctctgcttc tgctactctt 60

ctcaagtcac ctctgtttct tgncaagtgc gagtgggtca aaggccagac ccttcgcca 120  
cctctcgtga gtgtaaccct tctcagcat cagctctcac catcaaagct gcttcctatg 180  
ctgacgagct cgtcaaaacc gccaaaacag tggcctcacc ggggcgtggt attttggcga 240  
tggatgagtc aaatgcaac 259

<210> 1276  
<211> 257  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955506H1  
<400> 1276

aaattagggt ttgtagtgta gcaggaacaa gcagcaatgg cgccgaaggt aacacgcaag 60  
gtagcagaa accccgaatt gataagggga attggaaagt actcgaggtc gcagatgtac 120  
cacaagaggg gcatttgggc tatcaaggcc aaaaatgggtg gcgttttacc tcgccacgac 180  
cctaaaccca aacctgaaac acccgctgaa aaaccaccca aattttaccc tgctgatgat 240  
atcaagaagc cccttgt 257

<210> 1277  
<211> 252  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955509H1  
<400> 1277

cagtcattga cagctacaga ttgttgaaag aaggacaggc attaaatgat gacgaaattt 60  
tccttgctag tgctcttggt tgggtgtattg aatggcttca ggcataattt cttgttcttg 120  
atgacattat ggataactct cacacacgcc gcggccagcc atgctggttt agagtgccca 180  
aggttggaaat gattgcagcc aatgatggag ttctactaag aaaccatatt ccacggatcc 240  
ttaggaagca ct 252

<210> 1278  
<211> 133  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955518H1

<400> 1278

gcaggttcgt gctttccgc cgccgtata ctgccaccgt ctccgccagc gatggcagaa 60  
gatgattcaa agcctctgaa ctacatctcc gaagtcatac tcaagaagag gaaaagcacc 120  
gaagcatggg cgt 133

<210> 1279

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700955521H1

<400> 1279

gttgaagtcc ttgactactt cagcaactgc tgatggaatt gaggaatgcc gcaaactatg 60  
tggtggccat ggttaccttt gcagcagtgg tctccctgag ttatttgcag tctacattcc 120  
tacctgcaca tatgaaggag acaacactgt gctgctttta caggtggcta ggcattctcat 180  
caagactatt tctcagttgg gctccagaaa caagcctgtt ggtacaacat cttacattgg 240  
acgagtggaa cagctt 256

<210> 1280

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700955523H1

<400> 1280

ctcatcctgg tggttggagt ggccataggt gtggtggtgg ccgtcaacaa gaagggcgag 60  
gatccacac ttcaatctca acaaaaatca gtaggggtta tctgccaaaa cactgatgac 120  
cagaagctct gccacgaaac cctaagctcc gtgaagggca tggacaccgc tgatccaaag 180  
gcttacatcg ccaaggcggg gaaagccacc atggacagcg tgaccagggc cttcaacatg 240  
agtgataggc tcag 254

<210> 1281

<211> 249

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955530H1  
 <400> 1281  
 tcaaattcttc ttattgacaa tgaaggaaca cttaagattg ctgactttgg actggcttct 60  
 attttcgatc caaacaataa gcatcccatg actagtcgtg tagtaaccct ttggtatcga 120  
 cctcctgagt tgcttcttgg tgccacagat tatggtgtgg gtgtagacct ctggagtgcc 180  
 ggatgtatct taggagagtt attggctggg aagccaatca tgcttggtcg tacagagggtg 240  
 gaacaattg 249

<210> 1282  
 <211> 123  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955531H1  
 <400> 1282  
 gggaatttga caaaaaagta gccactgccc caacgatccc atttcccttg acttctctac 60  
 gtgaagctcc ttgttttgca taggagctag ttgaaatgtc cgaggggaaat gcaggggaaag 120  
 gaa 123

<210> 1283  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955538H1  
 <400> 1283  
 gcaatgggtg tgaactctta ctccaacagc atgaagatcc aagccgagat acaaatgcc 60  
 cccttagaaa tccacaaggt tcgtttgcca ccagaacgca ccaccttgca gaaactcaga 120  
 cacagactct ctgagatctt cttcccagat gatccactcc acaggggaatc agctatgcta 180  
 agcttgcaaa cttgccacct attcttggat tatattccag ttttgtgccc ccgttgatat 240  
 attccctgct tgga 254

<210> 1284  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955539H1  
  
 <400> 1284  
  
 atctcagaat tctctaaaag agatcttttt ctgctctttg aagaaagaag ggtctttgct 60  
 tgattttgga gatgtctctg ctctcagatc tcatcaacct taacctctcc gataccaccg 120  
 agaagggtgat cgcagagtac atatggatcg gtggatcagg aatggacctg aggagcaaag 180  
 caaggactct cccaggacca gttagcgacc cttcagagct tccaagtgg aactatgatg 240  
 gttccagcac aggt 254

<210> 1285  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955546H1  
  
 <400> 1285  
  
 gtctcgttta cacatctctc caacctttca ctttcgtttc tcagttttat tcgaatccct 60  
 ctctcaatct cctttccaaa tggccagcgt tgaggttgca cagcaaacac caacaacagt 120  
 tccagaaaat gaaacaaccg aggtaagcaa gaccaggaa acaaccccag tcaactgaggc 180  
 tcctgcaaca gaacaaccag cagctgaggt tcctgcaaca gaacaaccag ccgctgaggc 240  
 tcctgcccc 249

<210> 1286  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955561H1  
  
 <400> 1286  
  
 ctcaaagca gttctttttg gctttggcat tgttgaacaa tgctctaagc atgatgaaat 60  
 tttaaagggtg ctaatgtctg agactgctga agcagggata gatggaggga atttatcctt 120  
 gttatcagac ttgatgaaat tgcagttgtc aggcattgat gaaaccagc aaccatcatc 180

atctcttatac tacccaactg gaaaattcaa catcccaaag cattttctgt attttgttca 240  
agattcg 247

<210> 1287  
<211> 251  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955570H1  
  
<400> 1287

gtgggacact cctattcatg ttgatgcagc aagtgggtggc ttcattgccc catttcttta 60  
cccagagctt gagtgggact tccggttacc actagtgaag agcatcaatg ttagtggcca 120  
caagtatggc ttggtctatg ctggaatcgg ttgggttatc tggagaagca aggaggactt 180  
gcctgaggaa ctcatctttc acatcaacta tcttggtgct gatcaaccca cttcacctt 240  
taacttctcc a 251

<210> 1288  
<211> 252  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955571H1  
  
<400> 1288

gcacgcataa ggggtgccgat gaccgcagct tcaggtgtgt gtaccaagag gaagatgagc 60  
aaaaactaaa gggactaaag atcagcaaag acttaattga aattgggtggc gatgctctaa 120  
aaaccaacat caccacacta ggacccttgg tgctaccctt ttctgagcag cttctcttct 180  
ttagcaccct tgtgtggagg cacttatctg gcagcaaaaa tgatgggaat tcaccctcaa 240  
tgaagaagcc at 252

<210> 1289  
<211> 245  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955576H1  
  
<400> 1289



gccgggggagc ggaggtgcgg cgtcggcgca gaacgaagcc atagaccggc gagagcgtct 60  
 ccggcgattg gctctggaga ccatagacct ggcaaggat ccctatttca tgcgcaacca 120  
 cctcggaagc tacgaatgca aactctgtct cactctccac aacaacgagg gcaactactt 180  
 ggctcacact cagggaaagc gccaccaaac caacttggcc aaacgtgcag ctgcgaggc 240  
 caagg 245

<210> 1290  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955577H1

<400> 1290

ttcttctcct ttccttacca cagaagaata gtagcaatca gagactgaag acgagcttcc 60  
 ccttgcgccg aagggccacc gatgggtgaa accgagatgg atgcagaaac tgttgcaaatt 120  
 gtggttccac caaaggagac tccaaatagt gtttccattt ctcatcatc ctcacaccct 180  
 ccccttaatg agaggattat ttcattcatg accaggagat ctgttgctgc acacccatgg 240  
 catga 245

<210> 1291  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955585H1

<400> 1291

gagaacacaa cacaacaaac taaaacacac accctctaag ttcattaacc tcttcaacat 60  
 caaaacttgt aatattttta tggcaacacg cgtgatccct ccaagaatcc tcaagaatct 120  
 tcgttacaac acaacaacca agcccctcaa cgccgccccaa cctccatct ctccggccat 180  
 cgctcaccg tcgtctcttcg agaggtcgcc gtcccctcct gccgaggacg tcattccggc 240  
 atctgcggct ggg 253

<210> 1292  
 <211> 251

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955586H1  
 <400> 1292  
 caaagagatt ggggtggattt acggctcggc cacagaagat attttgactg gattcaagat 60  
 gcactgcaga ggggtggaaat cagtatatcg catgccaaag cgaccagcat tcaagggatc 120  
 tgccccaata aatctatcag atagattgca ccaagttctg aggtgggctc ttggctctgt 180  
 tgaaaattttt cttagtcgtc attgcccggt gtggtatggc tatggaggaa aacttaagta 240  
 cctacagagg a 251

<210> 1293  
 <211> 250  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955587H1  
 <400> 1293  
 tattaacaag aaaatactat cattgggtta tggggaactc agtgcagaga tcgtatcagt 60  
 ggatgcacaa gaatcttatg acgggggagt cattgtcttg gtcactgggt ttatgatagg 120  
 aaaggatgac attaagcaga aatttactca atgttttttc cttgctcctc aagagaaagg 180  
 ctactttggt ttgaatgatg tttttagata tgttgatgaa aatggaatcc aagggtctgc 240  
 tcatgatatt 250

<210> 1294  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955592H1  
 <400> 1294  
 ggtttttata aaatttcagt tcatgatgat gcacagcagt ggagttcctc aagtggttct 60  
 tctgggtccaa tacacaaggc accaagttta tcaggatttc ttagatccat ggaatccgtc 120  
 tctaagttga agtggcctag gaatggttat agaaagctga aagcagagga tcatcataaa 180  
 gaaactgatg gtgaactact tccaacagct ggattgaata ggggcaacaa tgcacgctgt 240

gaaag

245

<210> 1295  
<211> 261  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955601H1

<400> 1295

gaaggatgcc acaatcgagc aacttctgcc tattttcctt tctcttttga aagacgagtt 60  
tcttgatgtc aggctaaata ttatcagcaa gcttgatcaa gtgaaccagg ttattggtat 120  
tgatttggtta tctcagtctc tgttgccagc catagtagaa ctagctgagg atcggcactg 180  
gagagttcga cttgcaatca tagaatatat acccttattg gcaagccagt tgggtggttag 240  
tttttttgat gataagcttg g 261

<210> 1296  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955605H1

<400> 1296

gtgaagagac actcagaaag atgagggttat cgttgaggca tgctttggtg tttgtgttaa 60  
tcggggcggtt gtggaacttg caaagggcag agggatatccg atttgtgata gacagagacg 120  
agtgtttctc ccatgatgtg aagtacgagg gtgacactgt tcatgtctct ttcgttggtta 180  
ttaaggctga ttctccctgg cattacggcg acgaagggtg cgatctcgtg gtaaagggac 240  
cttctggcga gca 253

<210> 1297  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955607H1

<400> 1297

gctagctttc aaatgagaat gtttgcagaa agggctcaaa agcaacacac ttcttccaat 60

cattcccttg ttgatactct gccagtgaca ttatcaggtc catctgaaca gagaaatgac 120  
 tcgggcaatg cttcagcaac agctgcccat gcatggatgt ctgttggggc tggagggttt 180  
 aaacaaggac ccgataattc tagttcaccc aaaaataaga tatctgtaga atctttgtac 240  
 aactcaacaa gaga 254

<210> 1298  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955618H1

<400> 1298

cttgaacttg aactatcgtg tcttcttggc tttctctggt caggatcaac atggatattg 60  
 tatcacgagc tttgctatct ccgttggcta tacttgtgct catattaagc acaccttgct 120  
 cagggtgcttt tgggaagagt ggaactaatg tgaaaacagc tatttttctg tcccccaagt 180  
 ttgaacttgg accaggatcg gtagccaata aatatgatta tgacgctgat tttccaagag 240  
 gtcatatagc acttaag 257

<210> 1299  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955622H1

<400> 1299

ctatggtatg tttcaaatat ctgctagcga tggcgaaact ttcatatcag ctgatgattt 60  
 acgaataaat ctttgggaacc tggaaattag caatcaaagt tttaatattg ttgatgtaaa 120  
 gcctgcaa atggaggatc tgaccgaggt tataacatca gcagaatttc accctacaca 180  
 ttgtaatata ttggcatata gcagttcaaa gggttcaatt cgtcttggtg acttgcgga 240  
 gtcagcatta tgt 253

<210> 1300  
 <211> 250  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955627H1

<400> 1300

ccgagtttgg gcgttttagat cagaaccaa tctgtttctc ttccattggc aaacatggca 60  
actcaaata gcaagaagag aaagtttggt gcggacggag tgttctttgc cgaactgaac 120  
gaggttctga cacgtgaatt ggcggaggac ggttactccg gcgtcgaagt tagggttacg 180  
ccgatgcgca ccgagatcat catcagagcc accagaaccc aagccgttct aggtgagaag 240  
ggaaggagaa 250

<210> 1301

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700955634H1

<400> 1301

gaaataaatg ttctttaagg atggtgaatt ggtgactatc gtccaagtaa caccattttc 60  
acttatccgc attggattcg aatagctttt tttatccttt tttttaggcc tggcttatta 120  
aggtgtatgt agtatgtacc ttggtccatc tgagacacag tgcattgtaag accatcacta 180  
ttgtgttacc ccacaattct gtaatgtggg tgtgtcctac ttgtaggtag cttctcaaca 240  
ttttccttaa tcaacat 257

<210> 1302

<211> 143

<212> DNA

<213> Glycine max

<223> Clone ID: 700955636H1

<400> 1302

gtaccatggt atcttatcaa ggatacagat gggttgtttg accttgatct gattagagat 60  
tgtatcatca tctttcttta gcttgtggat gcttaagctt tagttgttat ggatcttggg 120  
aattatgtca agtttagttt ctt 143

<210> 1303

<211> 252

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955638H1  
 <400> 1303  
 cacaaagcac aaagcaaagc tcatccttga gttaaaaaat ggcagcagct tcttccatgg 60  
 ctctctcadc cccatccttg gctggcaagg ccgtgaagct gggcccatca gccccagaag 120  
 tggaagggt gagcatgagg aagaccgtca ccaagcaggt ctctcagga agcccatggt 180  
 acggcccaga ccgagtcaag tacttgggcc cattctctgg cgagcccccg tcctacctaa 240  
 ccggtgagtt cc 252

<210> 1304  
 <211> 251  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955639H1  
 <400> 1304  
 ttcagctttt ccctcgttga aatgaaaatg gggtcttctt tgtggacttt gtgtctaatt 60  
 ttggcttcac tagcctcttc tgcattctgt gcctttccac ggaggccagt ggatgttcca 120  
 ttcggcagaa actacgttcc cacttgggct tttgatcaca tcaaatactt caatggaggt 180  
 tctgagattc aacttcatct tgacaagtac actgggtactg gcttccagtc caaagggtca 240  
 tacttgtttg g 251

<210> 1305  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955642H1  
 <400> 1305  
 ctgatatcat tgttctgatg aaagacaaaa gatggcagac aatgaggatg gaagggataa 60  
 gactactcgt gggaatgaat gggagggtgt atctctgaca gcatcgacat atgcagctgc 120  
 tcttggtcct gatgaagttg agatgaagga tgatgggaac gaagatgtat atggacaaga 180  
 tgaaggagaa acgtcacatg ctttatttat gtctcgtcac tttgtcttct cttccagtc 240

gcatgaaaa

249

<210> 1306  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955644H1  
  
<400> 1306

ctaggtttgt acagcgtttg ctttgggggc gaaaaattca gccttttccg atttgcacca 60  
aattcaacag agaacaacac catttggtca gtcttctatg cttctgcctc caatctaggg 120  
tttcttttct ctgaattgtt attctcttca attgatgcgg ttcgatttga aaggattgag 180  
ggggttgttt gttggaattg gactcaaaat tagggtttgt gttttaggat cgtctcgtgt 240  
gaatcgat 248

<210> 1307  
<211> 249  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955645H1  
  
<400> 1307

aatgttatct gtgaggtcat tcttgtgtgg tgatgaattc aattcagtc ttgcagagaa 60  
tgattcagct tcagttaaga gctctgaagt cacggtttca cagtcctgtac atgagggctt 120  
gttaaacgat gaaggagaca ctgaaagtga agaaactgtg gagaatgtag cacagaacag 180  
gccaaagtta aactccaaaa agtcattgaa tgaggaagaa gcagctgttc ttattcaatc 240  
agcatttag 249

<210> 1308  
<211> 248  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955646H1  
  
<400> 1308

caagattcga tttgagagtc ttacagacaa gagcaagctt gatgctcagc cagagttgtt 60

cattcacatt attcctgaca agaccaacaa cacattgtct atcattgaca gtggtattgg 120  
catgactaag gctgatttgg tgaataacct cgggtactatt gcaaggtctg ggaccaagga 180  
attcatggaa gccctggctg ctggtgctga cgtgagcatg attgggcagt tcggtgttgg 240  
tttctact 248

<210> 1309  
<211> 256  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955650H1  
<400> 1309

gaggaaatga aataattatt ttaattttgt aattcattgt ttggttctgc ttcacaggaa 60  
tggtagattt gaggtgaaaa gggtccacat tggtcagggt ccgatctcac aatggggaag 120  
tcaccaggaa aatggatcaa aactgtattg tttgggaaaa agtcattcaa atcaaatatt 180  
tcaaaaggca gagagaagct tgtaaatcaa gaagaaggag ttgtagttac ctccaagggt 240  
ctagaaactg gtttgg 256

<210> 1310  
<211> 252  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955654H1  
<400> 1310

atttatcaac tcatctatca atctcgtttg ttctactaa ctattacttc atcatgtcgt 60  
cgagcacagt tggtaagtc atcaaatgca aagctgcggt ttcattgggag gcagggaagc 120  
cacttgtgat tgaagaagta gaggtggcac caccacaagc tggatgaagt cgtttgaaga 180  
tcctctacac ctctctttgc cacactgatg tttacttctg ggaagccaag ggccaaactc 240  
cattgtttcc tc 252

<210> 1311  
<211> 249  
<212> DNA  
<213> Glycine max



<223> Clone ID: 700955655H1

<400> 1311

gttgattcat gtcttcacga actgctacat tggccgttcc gagatgtatg cttaagagag 60  
tgtcagggtc tttatgatct tatggctgca gatacaagtg atgcagagtt tgcaaccttg 120  
ctagagttga atggctctga tatgcattca aaatctctgg catttgttcc gctccgtgcc 180  
agacatatcc taaatgccat gattgattgt aagatgcctc aatctattta tacaaaggat 240  
gaaggaagt 249

<210> 1312

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700955662H1

<400> 1312

cgccggagcc acattgggcg ttctgctaca caatgctcca caaggtttct cgaagtttcg 60  
ccctcgatcat tcagcaactc ggcaccgagc ttcgcaacgc cgtttgcata ttttatttgg 120  
ttctgcgagc tctcgacacc gttgaggatg atactagcat agaaacagat gtcaagggtgc 180  
caatactgat agcctttcac cgatcatatt atgatcgtga ttggcacttt tcatgtggca 240  
caaaggagt 249

<210> 1313

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700955668H1

<400> 1313

taattttgac atattaactc gtgggatgga atctatcacc tgttcttcac tgattgagtg 60  
cactggtcaa gctaagaagt caacagatga agagcctcca ggataaagga tgctgcagga 120  
gttagtatatt atgttatgct cactctggtt gcattcagat taagttgccc ctgttttgaa 180  
ttctgtttgc ttttcaccta ttctttgatc tgcaattctc ggaattgtcg tcggttgaag 240  
ttaaagtgct a 251

<210> 1314  
<211> 250  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<223> Clone ID: 700955669H1

<400> 1314

caactactac tactataggt acttactact ttgcctagct cctctttctc tctcttccct 60  
tttgcaactga acttcactct ctcttctata tcaagggttg atcacataac ctcaatatat 120  
ttctaataat aattgatata gtntgagtna ttgtttcgnn nnnnnnnnnn nnnnnnnnnn 180  
nnnnnnnatg ggtagaggga gagttgagtt gaagaggata gagaacaaaa tcaaccgccca 240  
agtaactttc 250

<210> 1315  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955670H1

<400> 1315

aagaaaaggt caagtggggt atatgcatca ctatccgaga gagagagagg agagtattat 60  
tcccagagac cgccaactcc gctactagac accgtcaact atcctattca tatgaaaaat 120  
ctctctacca atgtacgctg ctcaactctaa ctcaaaccba tctacattat aatattatat 180  
aatggttatg tcaaaggatt gattgatgca ggagctgaaa caactcgcag atgaactgcg 240  
ttctgatggt 250

<210> 1316  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955671H1

<400> 1316

cggattttga gagggatttg aagaagggtg aggctctttc gttgccgagg atcaagctct 60

caaggattga ccttgagtgg gtccatgtcc tcagcgaagg atgggccaca cccctgaaag 120  
 gcttcatgag agaagccgag ttcctccaaa cgcttcattt caactcgctc cgactcgatg 180  
 atgggtcggt cgtgaacatg tcagtgccca tcgtgctggc tattgatgat gcgcagaagc 240  
 atcggatc 248

<210> 1317  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955674H1  
 <400> 1317

tattgcctca tgcactcatc caaataatca tgtcaatgaa ttgggtccca tcaagaaatt 60  
 gtaccaagat atggaaagcc gaatagaaaa tgcagctaag gtgggtcaag taccgaaga 120  
 agtacgcca aagtataaag gattttctca gtgggattca tatacttctc gacgtgacca 180  
 tgacacaatt cttcaaatat tacttcatgg aaaggactcg agtgccaaag atgtagatgg 240  
 aaatgtt 247

<210> 1318  
 <211> 246  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955676H1  
 <400> 1318

ctgagttgac tgagtcttcg taactcgctc tctactgtct cagctactca tcgcattctc 60  
 tgcatttata ctccgatcac attttctctc tcttcgttcg ggatgtcgga gaaagctctt 120  
 agggatctca atacaattct tggaactgaa aggaagaatg aggactccag taaggcatgt 180  
 ttatccaagc cttctgttga caatgctgtt gaaaatattg aagaatggca aaagaaaaat 240  
 aatagt 246

<210> 1319  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955690H1

<400> 1319

ctctctccca aactaaaaac taaaacccat tttcttctcc aaaaccttcg acttttctct 60  
aaccgaaacg cgcttcggaa catttcttct tcgctctctc acatcttcca ttgctccaac 120  
tttcacgcac tatcaaattc cgacactact ggtattgggt ctctccctca gatcaaaata 180  
gagttcggag aggtagcatt gttactggca atgaaaaatc ttctgtaact tctattccac 240  
acttgaa 247

<210> 1320

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700955696H1

<400> 1320

cgaactcaaa ccgtttaagc ttctccgagt ttgacctac aacactctcg aatccccctct 60  
tgtgtgttgt agccgccccg tgaccatcaa tggcggaac tgctgtcgac aaatcccaat 120  
ctctcgctga ggaatattat gtgaaggata agcaaacagc tgtagttgaa aaacctgttg 180  
aggtcaaaga agttgaaaac ccagaggagg ctgcttctga ggaaccggtt gctgagaaaa 240  
ctgtggaaga 250

<210> 1321

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700955707H1

<400> 1321

accgttttct ccgccaccga tgccaaacgt aacgccagag actctcacgt cccattttg 60  
gcacctttgc ctattgggtt cgcggtgttc ttggttcaact tggcaaccat ccctatcacc 120  
ggcactggta tcaaccctgc tcgtagtctt ggtgctgcta tcatcttcaa caaggacctt 180  
ggttgggatg atcaactggat cttctgggtg ggacctttca ttggtgctgc acttgacgca 240  
ctc 243

<210> 1322  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955710H1

<400> 1322

ccttcttcca aatttccaac ttccctctgc ctcttctaata ggtatcgtat ctttcgatgg 60  
aagggtttgt aagggtttta gctcaaccaa accctaaacc ctaaatttcc caatttcttc 120  
tttcgatctt ccactctctc cttttccatc tcataaattt cgaatccata cactctcacc 180  
tcatgccttc agatccaatc cgcacccttt tatcactgaa gtgagtggcg ttgttgaggt 240  
gt 242

<210> 1323  
<211> 240  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955714H1

<400> 1323

caaatccaaa tggcccttta cattacacta ataattggcc tcctagtaaa caccctagta 60  
ctctataaat agcatttgca tgcaccttag tcttcaccaa aatactcctc ttggcatctt 120  
gtgttggtgc cctcttttaa gctatttcct tctcttaaca caattggttg tgccaattgc 180  
catagtcacc aaccaattaa caaaggtata tatatcatca tatcatcacc aaatgaaaaa 240

<210> 1324  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955718H1

<400> 1324

caactttctc acaaaacaaa actcgatttg taactctcac accatttcca ctcatatccc 60  
ataagcacca ccatgactcc acctaaagaa attgtgacca tcatttacca caatgggtcac 120  
attgtagatg atccagttca aggatagatg tacacgtcta tgaccccaat atttttttac 180

gccagttggt ctattacgtt tatacaattc attcgaaaaa ttaacaatcg cctccctact 240  
caagcaact 249

<210> 1325  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955722H1

<400> 1325

gcaaagatgc tgctggacaa gttcgtggtt ctccaaatga atttgctgga ataggctcca 60  
catcagccct tctttggctg gctagaaggt ttgcaattct atctgggcct accattccta 120  
ttattggcga gggatgatgaa gaggcaaattg ataggatgt agaacaatta gttgcaagtg 180  
cagaggctgc tgtggaggaa gttatccagc gtgggggtggc tgatccgaag aaaatagctg 240  
ttg 243

<210> 1326  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955724H1

<400> 1326

ctccacttga ttcagatgtt gattttgatg tagagacaga gaaaaaacia caccggttta 60  
acatgtggaa gcattcatat ttgaagactt gtgctgccat tgatcgogaa ctagagcaga 120  
atcgcaagat agattcattt tacagtggaa caactgcctt gtcaattgtt agacaggggtg 180  
aactcattat cattgcaaac gttggtgact ctcgtgctgt gttagctaca acatcagatg 240  
atg 243

<210> 1327  
<211> 242  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955740H1

<400> 1327

cccttctcct ctcacactaa ttaacacact catcaaaaaa cccttctttc tttcagggtc 60  
 attacttgat cagtgtcaaa agggtagttg caaattgcaa tggctaagca tgatgttgag 120  
 ggtggttcct tctcagcaaa ggactacat gatcctctc cagcaccttt gattgatgct 180  
 gaggaactca cacagtggc cttctacagg gctttgattg ctgaattcat tgccacatta 240  
 ct 242

<210> 1328  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955741H1

<400> 1328

taaaatcatg gccaccacag ccaccgaacc tctcccttcc tccgctgaaa tgctcctgc 60  
 cccgctcct ccgaagcaac cgcgcgaacc ggtggcggcg gcgtcagcag tgaagcctga 120  
 ggctccattg tccgattcga aagcttcggc ggaggcgaac gtaatagtgg tcccagagta 180  
 ctctcgttgg ttctcgtggg attcgattga cgaatgcgag gtgcgtcacc tccccgagtt 240  
 c 241

<210> 1329  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955742H1

<400> 1329

cttcgggccc catatgcgt atctttctct gttctattcc tacgatggag ttttggggtg 60  
 ccgagggttaa ggttggtgag tctgttaagg tagatccagc cgaattcgag gcatgcatac 120  
 acctttctca ggctgctctt ggtgaggcaa agaaagacaa atcaaataaa ccagttgttc 180  
 tctacttgaa agttgggtcaa cagaaatttg tcttgggaac cctttccagg gagaaaatt 239

<210> 1330  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955746H1

<400> 1330

cacttcacca ccacaccaca accctaccct ctctctctgt catggtcatt ggaggagcct 60  
tccctcgttt cgaccaatc accaaatgta gcaccaaga ccgctccaac cagaccatcg 120  
cctcggaact cgatggcacc ctcttgtct cccggagtgc cttcccctac tacttcctcg 180  
tcgccctcga agccggcagc gtcttccgag cctccttct cttaaccttc gtcccccttc 239

<210> 1331

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 700955747H1

<400> 1331

atttgaatat gttgagggcc cttctgtcaa agatgtgttt cttgaattca ggtcacatgt 60  
tgtcaataaa gagtggctgg atgatattgc atcccaaatt ggtgatgcaa ttggaaagct 120  
acatgatggt ggtcttattc atggtgattt aacaacatca aatatgttac tgaagagtga 180  
tacaaagcag ttggttctta tcgattttgg tttgagcttc acttcaactc taccagaaga 240

<210> 1332

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700955748H1

<400> 1332

caatgcagca agctccaacc aactcaccg gattgctcca tcgcgtcgcc ggaatattcc 60  
cctcccgccg cgccgtctcc gtctccggca agttcgacct caacgactcc cgtctccacc 120  
acctcgtcga actcgccgcc tcgcgcctcc tctccgccgg catcaaaccg ggcgatgtcg 180  
tcgccctcac cttccccaac accgtcgagt ttataataac gttcttggcc gttattcgag 240  
cg 242

<210> 1333

<211> 242

<212> DNA



<213> Glycine max.  
 <223> Clone ID: 700955753H1  
 <400> 1333

tgagatttcc ttgcagaagt acaaagatg gtttgggcga gaagaccac cacttcacat 60  
 tacttgatgg tgagatgggt attgatacat tgccagattc acagaagcag gagagaagat 120  
 accttatata tgatatgatg gcaatcaacc aagtatcaat aatagagcgt cccttctatg 180  
 aacggtggaa gatgcttgag aaagaagtga ttgaacctag gaatcacgag cgacataata 240  
 ta 242

<210> 1334  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955754H1  
 <400> 1334

gtctcagacc ctttctcacc accatcttct ttctcacact cacagtgtc aaggtttcag 60  
 catcatcctc agtgattttc tacaacaagt gccagcacc agtggtggccc gggatccagc 120  
 ccagcgtagg aaagcccgtt ctggcccgcg gaggttcaa gctcgcccca aaccgggcct 180  
 actccctcca gctcccgcgt ctatggtccg ggcgcttctg gggccgccac ggctgttctc 240  
 tc 242

<210> 1335  
 <211> 235  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955775H1  
 <400> 1335

agaaaaccct aattaataga taatagaaag agattgcatg atcgatggaa aaaccctaga 60  
 agaatcatcg gagcaggcag gcaagggggc acaatcgacg acgccgtaga tgcttgttgc 120  
 ggttgagcgc tcgtgggatc tgaattggtt cctgcaactg ttgctctccg tcatcgctcg 180  
 ggccgttggg gttcactatt tcgtcaaggc caccgcttcc aagtacttct tagtc 235

<210> 1336  
 <211> 236  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955777H1  
  
 <400> 1336  
  
 gtatatactc actaattgga caacccttct cctacctcca tggctaattt cataactttc 60  
 ttcattcccc tagccctaac cctccttttc tctcctctcg tcaactgccag ttaccatcaa 120  
 agcatctctc caagccttct acgttctcgt gagaagctca cgcaccttcg cttctatttc 180  
 catgaaattt ttactagcga caaaccttct aatctcgtga tcgaccccc caaggt 236

<210> 1337  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955784H1  
  
 <400> 1337  
  
 cgtttccaac taccaaaaag acgacgctgc agactctcct cgtcccgtcg gaggttgtgg 60  
 tcggaattgc ctcaaagctt gttgccttcc agatgcaaag ctgcctttgt atgctttcaa 120  
 gaaggctaatt ggaaaggatt tggccctgca tgcattgcgc ggggagcctc cctcacatt 180  
 cctcgactca cttcttcttg gagagtggga agatcgcatg cagagaggac tttttcgcta 240  
 t 241

<210> 1338  
 <211> 235  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955793H1  
  
 <400> 1338  
  
 ctaaaaacaa agagtgtgat agtaagagta gtagaagagc ggtctggtcc aagtgtctgca 60  
 atatgcaagg caaagaaatg gaagggttgt cgtcttcgtc ggcgatcgcg cagaaaacat 120  
 gggaactcga gaacaacatc atcccgatgg acactccggg cggcgccgcc atctcctcca 180

caaccaccac gacaagcgcc gacgactcga tcttctacta cgacgaggcg ggcca 235

<210> 1339  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955808H1

<400> 1339

cataacttca acaacttctt tcttctcgat ctcacgatgg ctcatttggc cctgtctcag 60  
atggctgtaa ctgttcctgt tggcaacgat ttgtctctca gaagatctgc agttaaggcc 120  
cctaacttga acttttggga taaatcatgg gcaccagtat ttactttgga cttgaagcca 180  
aacaacccaa gtttaagaag tcgtcatgtg gtatgcatgt ccgtgcaaca agcaagtgta 240  
tccaa 245

<210> 1340  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955818H1

<400> 1340

tgaattctcc agagagaaga agaaacttaa tcgatcatca cttcacttca ctaatacatc 60  
atggcagacg agaccagaa caagtatgag agctctgagg ttgaggtcca ggatcgtggg 120  
gtttttgact ttctcggtaa gaaaaaggat gaagaagaca agcctcatcc tcaggaggag 180  
gtcatcgcca ccgagtttca aaaagtcact gtctcagacc aaggagagaa caagcacagc 240  
ctcttagaaa a 251

<210> 1341  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955819H1

<400> 1341

ataacacaaa gcacaaagca aagctcatcc ttgagttaaa aaatggcagc agcttcttcc 60

atggctctct catccccatc cttggctggc aaggccgtga agctgggccc atcagcccca 120  
gaagtgggaa ggggtgagcat gaggaagacc gtcaccaagc aggtctcctc aggaagccca 180  
tggtacggcc cagaccgagt caagtacttg ggcccattct ctggcgagcc cccgtcctac 240  
ctaaccgg 248

<210> 1342  
<211> 249  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955820H1  
<400> 1342

taaaaactca atatcaaatt ctttgtccca caaaagatgg ggttcaactcc cacaagtact 60  
gcaacatgct ttctcataat agcacctctg gttgtgctat ggtgttgga gctactaaag 120  
tggtgtgtggc tgaggccaaa gagattggag agagcattaa gggcacaggg ccttcagggg 180  
aatccctaca gcctcttgat tggggacact aaggaaatgt acacagtgt catgcaagct 240  
gccagatct 249

<210> 1343  
<211> 246  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955824H1  
<400> 1343

aaaaaaaaatc tcaaaataaa acaaccaaac cacacacttc acaccctctt caacatcctc 60  
agcaagtaca agaacaagaa gaaacaatgt cttgtccaa tctcacaatg ttggtgtcct 120  
caaaaccttc cctttccgat cctccaatc tctccttcg ctctgtcctc aacccttttc 180  
agctcccttc acaaaaccca acttcatgca ctcttcacg ctctcaacc acccaaattc 240  
agtgtg 246

<210> 1344  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955825H1

<400> 1344

gccgaagctg ggaaaacaag ccgcaacgaa agcgattaag gaggggggtc aaccaaagtc 60  
aaagatcaca caccttgtgt tctgcaccac ttcaggcgtg gacatgcccg gagcagatta 120  
ccagctcacg aagcttctcg gcctgaggcc ctccgtgaag cgcctcatga tgtatcagca 180  
gggctgcttc gccggcggca ccgtactccg cctcggaag gacctcgccg agaacaacaa 240  
gggtgcg 247

<210> 1345

<211> 80

<212> DNA

<213> Glycine max

<223> Clone ID: 700955836H1

<400> 1345

ggttctttgt ttagaccaa gaaacgcatg attcactaga aacattgagt acaagctcaa 60  
taattatttt ttttttttct 80

<210> 1346

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700955843H1

<400> 1346

ggagttaata aggtcacatg ctcccttcag gctgatctta aggacttggc tcacaagtgt 60  
gttgatgcta caaaattgc aggctttgcc cttgccacct ctgctctcgt tgtttctggg 120  
gcaagtgctg aaggagtacc aaagcggcta acctttgacg aaatccagag caagacctac 180  
ttggaagtga aggggacagg aacagcaaac cagtgtccaa caattgatgg tggattggag 240  
tc 242

<210> 1347

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700955846H1

<400> 1347

gttccaggac aaggttttaa tcagaatgca gtgagtttta attctttgca ttcttcaagc 60  
tgccaagcag ttggacaaag tcaagtagca gttcccatc taccttcaaa ggggtggaatt 120  
gttgatggta tgctgaaaca ggaagtctcc actgagaaaa agtacactgc tgaaccaaatt 180  
atcatggatg ctggcttata acaagttagt tcaagaaatc ctctccaac cggaacgtg 240  
gtag 244

<210> 1348

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700955855H1

<400> 1348

agagtgttgt gttgctagt caagaggcac caacatagat agatacatag gtgcgtgcgt 60  
acgtaggaag ggtacgtacg cggtagtaca caacacacca acacaccgtt ttgcactctg 120  
ttctgatcat gagggcgcac aagatgggtg ttatcgtggg gatcactgtt gctactgctt 180  
ctgcttctta agccttttct tttcttctgt gggttcccc tctttcgata ttctgcactt 240  
tag 243

<210> 1349

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700955857H1

<400> 1349

caaaaggcct tctttctca tttcggacgc acgctcccca tccatgtcta cttgtgtaaa 60  
atcccagggt gtgaaaataa tggaccacct ttggtgaagt ggacacatat ataattgata 120  
agaatactta atctctctct ctatgtgttt tttgggtaca gatgtttgta ttgttggtgt 180  
tgcacggacg ccaatagggtg gtttacttgg caccctatca tctctttctg ccacagagtt 240  
aggc 244

<210> 1350  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955859H1  
  
 <400> 1350  
  
 ctctccttga aaacagagga gaagaggaag aagcagagga agagagaaga acaaacgaag 60  
 catggtttctg acgagacgca gtggatctct ctctgccaaa agatcttcct cctcggaaga 120  
 taaatctcct tcgccgaagc gccaaaaggt cgacaatggc ggttcgtcgg agaaatcggt 180  
 gccgacgccg gcggagaatt ccaaggattt atcttccccg gagcccgtgc ctgatcccgg 240  
 agaa 244

<210> 1351  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955861H1  
  
 <400> 1351  
  
 gcatcttctc ctgaaatcat tgactttaac taagttcttg catagaacct ttatgtgtgt 60  
 gaagcatgaa ctaatgagaa acgaattagc aaacagtcaa acactaatat ccagacatag 120  
 cttttcatta ttaaagatag cgtgggtatct ttggcggcct gagcagaatg attattgttc 180  
 caattggggc ttagcatttt ttttcttttc aggcttctaa cccacactgg gactcccctt 240  
 ttcc 244

<210> 1352  
 <211> 248  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955864H1  
  
 <400> 1352  
  
 ctctgggaag tccactacca ctggccacct gatctacaag cttggaggca ttgacaagcg 60  
 tgttattgag agatttgaga aggaagctgc tgagatgaac aagaggtctt tcaagtatgc 120

ctgggtgctt gataagctta aggctgagcg tgaaagagga atcacaattg atattgcctt 180  
 gtggaagttt gaaaccacca agtactattg cacagtcatt gatgcccctg gacacagggg 240  
 tttcatca 248

<210> 1353  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955867H1  
 <400> 1353

tggttggtaca gcaatattga agccatctga attggcatct gtgacctgtt tggagctggc 60  
 tgaaatatgc agagaagttg gccttcctcc aggggtatta aacattgtta ctggattagg 120  
 caatgaagct ggtgctcctt tgtcatctca tctgacgta gacaagattt cctttactgg 180  
 aagctctgca actggaagca ggattatgac agctgcagca cagctaacga agcctgtttc 240  
 tctag 245

<210> 1354  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955869H1  
 <400> 1354

aacacggtcc cgctccctct ccatcccatc acaaagaaaa cagagattcg cattattagg 60  
 agatcggact caaccgatga agttgaagcc gcagtgaac aaaccagaat aattgacgca 120  
 tcatcaatta gatcgagctg ctagaaatga aggatgagga cgggcttccg acgaccgccg 180  
 ccacgaagaa ggaaagcatg gattcgagtc tgtttgggaa agggaggtac aaattctggg 240  
 cgтта 245

<210> 1355  
 <211> 242  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955876H1



<400> 1355

ttcgggttccg aagggacaac caacgaccac cctctcttct gactcacttc tcgaaccttc 60

caaacatgga acgcatcggt ggcggaagt acaagctcgg ccgcaagatc ggaagtggat 120

ccttcggcga aatctacctc gcgacgcata ttaatacctt cgagatcgtc gccgtcaaga 180

tcgagaatag taaaacaaaa catccacaac tgctttacga ggcaaagcta tacaatattc 240

tt 242

<210> 1356

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700955891H1

<400> 1356

acgaaacaga tagctgcttc tttctctcac gcaaccgtcg tcgttcatca atggctacac 60

tcaacctctc ttcggtgcaa gctctcgcct tccatcggtt atcctcttct tttccccaaa 120

gtacccttac cctttccttc aatttccaac caaaaccctt cgctaaccgg cgccaattt 180

ctctgaaacc ctacgtttcc gagaaacctc gcgcgcgcgt ggtggcgctg gccgtgaaga 240

gcc 243

<210> 1357

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700955893H1

<400> 1357

ggaactcctt aagcagcttc agagtctgag aagtgagaag cggaagaaga agcgatgcgt 60

ttttgcccggt gttttggatc cgaggaggcc aaggggggtg cggatcgga cccggtcctg 120

ctggtttcgg gcatgggcgg ctccattgtc aattccaagc ccaagaaatt cgggttcacc 180

actcgggttt gggtcagact cctcctcgt gacgtcgagt tccgaaacaa gatttgggtc 240

ctt 243

<210> 1358

<211> 243  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955894H1  
  
 <400> 1358  
  
 tgggggtttca cacgtgcgca atttgaaggt attattggag gagagagtgt aaatgaagaa 60  
 accaacaacc gacgcaatta gtatggggaa aaggagcctg gaggggtggag aagatgacca 120  
 gcttgaacga aagaggcctg ctcttgccag tgtaattgtg gaagctctga aggtggacag 180  
 tttgcagaag ctttgctcat ctttagaacc cattcttcgt agagttgtca gtgaagaagt 240  
 gga 243

<210> 1359  
 <211> 245  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955895H1  
  
 <400> 1359  
  
 ctccaatcca accaaattca actacctgta cagtttggtg caagtagagg ttgaaactaa 60  
 aacggctaag tcatcatcca gttgtaccaa tggacttctt tggcttacia ggtaaagaac 120  
 accaagcaac taccatttaa catgtaattc atactgttat ggcattccaa aatttggtat 180  
 tttagagaac tatttcctta atttgtaatg ttccaagccc agagtctgtt gtccatgagt 240  
 aaaca 245

<210> 1360  
 <211> 260  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700955910H1  
  
 <400> 1360  
  
 agccccgaga ggagcttacc agaatgcttt atcgggtaag tttgttccag cgttggaaac 60  
 gtgcgctcgg attaaaataa ccgacccgaa cccgaaatgg gatatggaaa caatgcccgg 120  
 tgctagagtc atgagtgaca tgggttttact cccgaacggc gacgttttga ttgttaatgg 180

agcagccgta gggactgcgg gctgggaatt gggccgtaac ccgctactga gtccgtttct 240  
 ttataaacca aataatcggg 260

<210> 1361  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955929H1

<400> 1361

gaagagcgtc gcagttgtaa ccctaatacag aagaagcgca gttcaagcga gtgacagcca 60  
 ccagccatgg gtcgtatgca cagccgcggg aagggtatat cctcttctgc tttgccctac 120  
 aaaaggacac ctcttagctg gctcaagatc tcttcgcaag atgtcgaaga aaatatctgc 180  
 aagtttgcca agaaagggtt gaccccgctc cagattgggtg tcattctcag agattctcac 240  
 ggtattgctc aggtc 255

<210> 1362  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955930H1

<400> 1362

gccaaatttt aggtacactt acaagttggg gcatatgctg tctaacgggt cttatgtatg 60  
 gagtaagaag tattcattca aggcacccc atatcctgga cagaactctt tgcaacgtgt 120  
 tatcatattt ggtgacatgg gaaaggctga gcgtgatggt tcaaatgaat atgctgatta 180  
 tcaaccgggt tctctaaaca ccacagacca actcgtcaag gatttagaaa attatgacat 240  
 tgttttccac atag 254

<210> 1363  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700955931H1

<400> 1363

ctttgcgag ttcctacct ctctttcaa gatgcagatc ttcgtcaaga cctcaccgg 60  
aaagaccatc acccttgagg tggaaagctc tgacaccatc gacaacgtca aggccaagat 120  
ccaggacaag gaaggaattc ccccgatca gcaacgtctc atcttcgccg gaaagcagct 180  
cgaggacggc cgtaccctcg ccgactacaa catccagaag gagtcaaccc ttcaccttgt 240  
ccttcgtctc cgtggtg 257

<210> 1364  
<211> 266  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955934H1  
<400> 1364

cttttgaggt gtgtgtgcac ccattgatga caagcaaccc cattgcatgg aagcctaaga 60  
ggaggagaag acgaagagga caagggtaac tgaatcgccg cttctgcagc ttcgttcttt 120  
cgtttttgtt tcatcttttt agcttcagag ggtaaataaa aaatggaggt tttggtgggt 180  
cccgtttca ccacgacgt tccctcgtct ccgccgcagc atgccggttc cgatgatcgg 240  
atctttctta acgtgtcacc cgaaga 266

<210> 1365  
<211> 260  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700955940H1  
<400> 1365

gaaagaatcc caggcgagga gaaagatgga ggggaaggag caggatgtgt cgttgggagc 60  
gaacaagtgc cccgagagac agccgattgg gacggcgccg cagagccaag acgacggcaa 120  
ggactaccag gagccggcgc cggcgccgct ggttgacctg acggagttta cgtcatggtc 180  
gttttacaga gcagggatag cagagtttgt ggccactttt ctgtttctct acatcaccgt 240  
cttaaccggt atgggagtcg 260

<210> 1366  
<211> 256  
<212> DNA

<213> Glycine max

<223> Clone ID: 700955943H1

<400> 1366

aaaatatatt caattttgcg tttctctgcc taaaaggatt gaaagatggg tcaagcattc 60  
ggttgctacc aagtcgatca gtcaaagtgt gctatcaagg agcattttgg aaaatttgat 120  
gatgtcctag agcctggatg tcaactgcctg ccttggtgtc ttgggtacca gattgctggg 180  
agtctgtcgc tgcgagtgca gcaacttgat gttcgatgtg agacgaaaac caaggacaat 240  
gtctttgtca atgtgg 256

<210> 1367

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700955946H1

<400> 1367

gaagaaaggt attggagcga atgaattgct gtcccatctt tcagcacatc ctgcacctgc 60  
tcaagaaaag atgagtgtctc tggttgaagc tctattcgag ggaactgaga aaggttttgc 120  
taaagaagct gataagaaga agaactactt tgctgtctgt gttgccgaag agggatccca 180  
gctgttattg cttcatgcta ttgaagaatt ttcttgcaag tctacttcca atgctttgaa 240  
ggaggttgcc ctg 253

<210> 1368

<211> 164

<212> DNA

<213> Glycine max

<223> Clone ID: 700955954H1

<400> 1368

caaatgacac atttatgttt ttcttactgc catatztatg ttttgttttt caatagttga 60  
ctcttgatat ctgctctctt attttcatga acatatagaa caattgcctg cccataattg 120  
tatatagttg caaataaaaa tataacacct tgtagtttg acat 164

<210> 1369

<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955958H1

<400> 1369

ggcaattttc tgcatacaagt atggaagcaa tttatgaggc attaatttat agtaacatat 60  
aacaatcaac tttggttcat caagctctat ccaaattcaa tcaccaaatt taatcctctc 120  
cctattatgt aagtacttta tataccaaat tgaatttggg ttgttcaaatt ttgtcaacaa 180  
gttaggatca aggtgaactt ctgcatcctt ttgctactat gtttgaaaag ttgatacca 240  
attgaatttc gtttggt 257

<210> 1370  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955960H1

<400> 1370

ttttatttac aacaacaatg gtttctgtgc ctcaacaaa aatctccctt ctaaccttat 60  
tcttcttctc gtccttcacc atcattgcgc atgcaattgt tcctcaaac gaaaccttca 120  
aatttgagaa ctcaggtgaa cttggaccct acatcgttga gtacgggtgca gattacagaa 180  
tgataagcat cttcaactct ccattccaag ttggtttcta caacaccacc ccaaatgcct 240  
tcactctagc ttg 254

<210> 1371  
<211> 252  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700955961H1

<400> 1371

gatctatggg atgatgagaa gaagaaggcg cagtttcatt ggacattcat attctcaaac 60  
cttattgtgc aatgggctca gtggtagca aatttggtat taggatctgg atctattctt 120  
ggcgtcttt tatcttttcc ttctgtgca ctaaatatgc aaaacaatag gatgtttcct 180

ccatctctaa gccctctgca ggaagaaaga ctaagaaatc tacgacaacg gcttgaagtt 240  
ccctttgatg gt 252

<210> 1372  
<211> 251  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955962H1  
  
<400> 1372

eggcaacctt cccgatgcct tccatattgc cgagactacc aaaatcttcc tcccagctct 60  
tcgagactgc aacaggttaa ccatttcgga gccatttcct gagtgggaga gcgagttgat 120  
gccttcaggg agaacaatgg gagacctttt ggtcctcccc aatggggacc tcttgcctcat 180  
caatggtgca accatgggta cggctgcatg gtgggatgct gacttgccta actacacgcc 240  
cgtgttgtag a 251

<210> 1373  
<211> 254  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955963H1  
  
<400> 1373

gcagaaagca agctcatcct agagttttta aaatggcagc agcctcctcc atggctctct 60  
cttccccatc cttggctggc aaggccgtga agctgggccc atcagcccc gaagtcggga 120  
gggtcagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca tggtagggcc 180  
cagaccgcgt caagtacttg ggcccattct ctggcgagcc cccgtcctac ctactggcg 240  
agttcccagg tgac 254

<210> 1374  
<211> 255  
<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700955973H1  
  
<400> 1374

taatgaataa tggttggtcta tagtgccgac acatgctgat gctgtagatt gacgaagaag 60  
 cagttggcca accgcgataa tctctacata ttaatataat ctttctcgtc acctgagaga 120  
 aatagaaaat gtggagtcgc gcaagaaccc ttttccttcg cgtcctggta atcttctatt 180  
 ctcttttctc cctctctctc catctctgac tttggatatt gtttcttctc gactccagga 240  
 acctcctaata caca 255

<210> 1375  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955979H1  
 <400> 1375

tgccaaggca atgacattcc agaacactgc cgggtgctgag ggacaccaag ccgttgcatt 60  
 caggaaccaa ggagacatgt ccgctctcgt tgggtgccac atcttgggtt accaagacac 120  
 cttgtacgtc cagaccaaca ggcaattcta ccgcaactgc gtcattctccg gcacagtcga 180  
 cttcatcttc ggcacctcct ccaccgtgat ccagcactcc gttatcatcg tgaggaagcc 240  
 cctggacaac ca 252

<210> 1376  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700955987H1  
 <400> 1376

tgatgaactt gatccatgga ccgcatgggc atacaagcct cgcaccatca cattgttact 60  
 tattggtgct tgctttctta tatgggcaag tggagcactt gatccagaaa gagatgcatc 120  
 tggggatctt gttacttctg ttaaaagggg tgtatgggca atgattgctg tttttcttgc 180  
 ttattgccta ctgcaagctc cttctacggt tcttattagg ccacatcctg caatttggcg 240  
 cttggttcat ggaat 255

<210> 1377  
 <211> 252  
 <212> DNA

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100  
101  
102  
103  
104  
105  
106  
107  
108  
109  
110  
111  
112  
113  
114  
115  
116  
117  
118  
119  
120  
121  
122  
123  
124  
125  
126  
127  
128  
129  
130  
131  
132  
133  
134  
135  
136  
137  
138  
139  
140  
141  
142  
143  
144  
145  
146  
147  
148  
149  
150  
151  
152  
153  
154  
155  
156  
157  
158  
159  
160  
161  
162  
163  
164  
165  
166  
167  
168  
169  
170  
171  
172  
173  
174  
175  
176  
177  
178  
179  
180  
181  
182  
183  
184  
185  
186  
187  
188  
189  
190  
191  
192  
193  
194  
195  
196  
197  
198  
199  
200  
201  
202  
203  
204  
205  
206  
207  
208  
209  
210  
211  
212  
213  
214  
215  
216  
217  
218  
219  
220  
221  
222  
223  
224  
225  
226  
227  
228  
229  
230  
231  
232  
233  
234  
235  
236  
237  
238  
239  
240  
241  
242  
243  
244  
245  
246  
247  
248  
249  
250  
251  
252  
253  
254  
255  
256  
257  
258  
259  
260  
261  
262  
263  
264  
265  
266  
267  
268  
269  
270  
271  
272  
273  
274  
275  
276  
277  
278  
279  
280  
281  
282  
283  
284  
285  
286  
287  
288  
289  
290  
291  
292  
293  
294  
295  
296  
297  
298  
299  
300  
301  
302  
303  
304  
305  
306  
307  
308  
309  
310  
311  
312  
313  
314  
315  
316  
317  
318  
319  
320  
321  
322  
323  
324  
325  
326  
327  
328  
329  
330  
331  
332  
333  
334  
335  
336  
337  
338  
339  
340  
341  
342  
343  
344  
345  
346  
347  
348  
349  
350  
351  
352  
353  
354  
355  
356  
357  
358  
359  
360  
361  
362  
363  
364  
365  
366  
367  
368  
369  
370  
371  
372  
373  
374  
375  
376  
377  
378  
379  
380  
381  
382  
383  
384  
385  
386  
387  
388  
389  
390  
391  
392  
393  
394  
395  
396  
397  
398  
399  
400  
401  
402  
403  
404  
405  
406  
407  
408  
409  
410  
411  
412  
413  
414  
415  
416  
417  
418  
419  
420  
421  
422  
423  
424  
425  
426  
427  
428  
429  
430  
431  
432  
433  
434  
435  
436  
437  
438  
439  
440  
441  
442  
443  
444  
445  
446  
447  
448  
449  
450  
451  
452  
453  
454  
455  
456  
457  
458  
459  
460  
461  
462  
463  
464  
465  
466  
467  
468  
469  
470  
471  
472  
473  
474  
475  
476  
477  
478  
479  
480  
481  
482  
483  
484  
485  
486  
487  
488  
489  
490  
491  
492  
493  
494  
495  
496  
497  
498  
499  
500